20000119.qrp v01_n705.qrl.20000119

Date: Wed, 19 Jan 2000 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1705

QRP-L Digest 1705

Topics covered in this issue include:

by Jim Lowman <jmlowman@ix.netcom.com>
68) [60776] Re: Tuner ZM-2.
by "Arthur G. Silvers" <ags@ieee.org>
69) [60777] Red Hot Radios - RH 40 and RH NorCal 20 - Tips/Review (Lengthy)
by K5KW@aol.com
70) [60778] RE: Scanning articles and posting to WWW might bring trouble
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
71) [60779] RE: Scanning articles and posting to WWW might bring trouble
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
72) [60780] Info on PacifiCon, Atlanticon, etc.
by "Paul Harden, NA5N" <na5n@rt66.com>
73) [60781] RE: Scanning articles and posting to WWW might bring trouble
by Chris Trask <ctrask@primenet.com>
74) [60782] Re: AD8361 - Neat Chip?
by "Tom Hybiske" <hybiske@generalatronics.com>
75) [60783] Ft. Tuthill Dates?
by "Robert P. Okas" <vintage@best.com>
76) [60784] PROP: 1930Z - Testing the Waters on 10 meters from Alaska
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
77) [60785] BCN: My 10 Meter "Heard" List
by wb2vuo@juno.com
78) [60786] Ft. Tuthill???
by K5KW@aol.com
79) [60787] Re: Scanning articles and posting to WWW might bring trouble
by Dick Carroll <dixie@townsqr.com>
80) [60788] Disregard Ft. Tuthill query.
by K5KW@aol.com
81) [60789] MFJ-931 - any info requested
by "Harsha K" <bravado@angelfire.com>
82) [60790] PROP: Prop Numbers With Respect to Alaska contacts
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
83) [60791] Ham Radio Magazine
by Pat Byers <pbyers@rttinc.com>
84) [60792] 38S Power Mod
by Curt Milton <wb8yyy@yahoo.com>
85) [60793] Ferrite Cores
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
86) [60794] A new QRP'er is born
by Jim Hale <kj5tf@yahoo.com>
87) [60795] Re: Ft. Tuthill???
by "Jay Bromley" <w5jay@alltel.net>
88) [60796] Ft. Tuthill, AZ Hamfest
by jaywa5whn@juno.com
89) [60797] PROP: 160M (AGAIN)
by ARDUJENSKI@aol.com
90) [60798] Re: Scanning articles and posting to WWW might bring trouble
by Chris Trask <ctrask@primenet.com>
91) [60799] Re: HB: ARS film canister ant tuner

Date: Tue, 18 Jan 2000 16:00:40 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60709] Re: Tuner ZM-2.
Message-ID: <3884FEA8.BCF30C82@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

 Gang, I'd like to clarify what I was saying about
WHY the LED sometimes doesn't fully extinguish
when you've matched your rig up to the antenna
with, say a SWR meter or WM-2 minimum reflected
powermeter in series and you've found that

when the LED is out and you switch for TX,
there's some reflected power.

I hope this is more clear:

>
> What I meant (har) to say was that if your
> radio output impedance is say, 80 ohms, you'll
> be tuning the LED for a match at 50 Ohms when the
> LED is extinguished. But when you switch out the
bridge you'll be connecting the 80 Ohm Z to the input
and the match was to the expected 50 Ohms.
>
> This is seen if you bypass the bridge and look at the
> WM-2 reflected power and re-tune to minimum
> reflected, THEN switch the bridge back in, you'll
> notice the LED is on a little bit even when matched.
>

If you have a real good 50 ohm output impedance
at the tune-up frequency for your radio, the WM-2
will have very low reflected power to measure when
the bridge is switched out because it was balanced
for 50 Ohms.

> That's what I meant. Shoot! I said it all
> wrong in my haste.
>
> I take all input as valuable. Thanks!
> 72/Ed we6w
>
> --
> -72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
> http://www.qsl.net/we6w Santa Rosa, CA
> QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

--
-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
 http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Tue, 18 Jan 2000 19:00:52 -0500
From: "muleskiner" <muleskiner@gateway.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60710] Re: Antennas: 160 M Loop Rcv Antennas
Message-ID: <00c701bf6210$669c95c0$dd780f3f@oemcomputer>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, electrically small (a.k.a. magnetic) loop antennas are popular in Europe for amateur HF receiving applications. A 1-meter diameter loop seems to be the norm there. I prefer to use a wooden 18-inch circular embroidery hoop as the frame for my receiving loops. The length of wire wound on the frame is always 0.08 of a wavelength for the design frequency. Thereafter, the number of turns are calculated before winding a multi-turn coil on the frame. I calculate the coil's inductance, verify it with measurements, and then tune the coil with an appropriate variable capacitor. The balanced output is then applied to the input of a differential amplifier made from a matched pair of unijunction transistors (JFETs). A single-ended output from the differential amplifier may then feed a bipolar transistor configured as an emitter-follower for impedance matching to an unbalanced receiver input. There are, however, other alternatives that depend on the designer's specification.

I encourage you to experiment with this antenna. It will do wonders for your noise problem. It is directive and because of its high Q (narrow bandwidth), an excellent bandpass filter for eliminating adjacent channel interference (QRM). This antenna has many other attributes for which I can prepare a bibliography of important articles appearing in amateur literature, technical books, and US Patents over the past 60 years.

As for transmit and receive capability consider building a small transmitting loop. The wizard is Ted Hart/W5QJR. I strongly recommend reading his book, "Small High Efficiency Antennas Alias The Loop". It is available from:

Ted Hart - W5QJR
W5QJR ANTENNA PRODUCTS
P.O. Box 334
Melbourne, FL 32902-334

Finally, to wet your appetite on small receiving loops I can sit at my dining room table with a samll 80-meter loop and routinely copy CW signals from Europe on a homemade "Neophyte" direct conversion receiver.

Regards,

John Freiberger III - WA2NZO

----- Original Message -----
From: Chuck Carpenter <w5usj@globeco.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Monday, January 17, 2000 10:37 PM
Subject: Antennas: 160 M Loop Rcv Antennas

> Antenna Folks,
>
> With the QRN from the power lines that run parallel to my antenna about
150
> ft away, I started looking for receive antenna ideas. Shielded loop
> antennas came to mind. My early references from the mid 1950s didn't hold
> much hope indicating the such loops were only useful for RDF.
>
> However, the ARRL Antenna Anthology from 1978 has a couple of good
articles
> about shielded antennas. The articles were by W7ZOI and W1FB; a couple of
> notable calls and worth checking out. The original article, by W1FB, was
> in QST, April, 1974.
>
> The designs look like a possible solution.   Nulling out the receive noise
> and transmitting on the full-size antenna should minimize the problem.
> Operation at this QTH would require switching antennas from Rcv to Xmit.
> Sort of like the old knife switch operation in my novice days. It'll be
> slow, so BK operation won't work.
>
> Anyone have experience with shielded loop receive antennas on 160?
>
> Fun stuff and some interesting challenges...
>
>
>
>
>
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas
>

Date: Tue, 18 Jan 2000 19:49:06 -0800
From: Dana E Hager <dehager@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60711] Station grounding and feedline isolators???
Message-ID: <38853432.507741BD@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am installing a new ground and wire antenna for a first floor station.
How do the list members ground the feed lines when not in use? Do you
use an antenna switch or simply disconnect and clip to ground?

Also, is anyone using feedline isolators? Any info would be great.

Thanks,
D E Hager

Date: Tue, 18 Jan 2000 18:42:30 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [60712] FOXHUNT:Team Scores
Message-ID: <Pine.LNX.3.95.1000118183448.25173A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

****
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL
AS TO PAUL...that will be a big help...thank you all....

****

Fox Hunt 21 - N7MFB -

****

20th. MAINE BENGAL BEARS:Total=8	BLUE J's:Total=12
Jim - N5IB	John - VE3JC
Butch - N5SMQ	Jim - VE6JWA
Bill - NT1R	Jeff - VA3JFF
Joel - KE1LA	Jon - TF3JA
DURHAM MORSE MEN:Total=0	EMPIRE HOUNDS:Total=12
Jim - VE3KQN	Dick - K2REB
Ken - VE3ELA	Kevin - N2TO
John - VA3JE	Mark - N2JTW
Garry - VE3REP	Nick - KF2PH
HOUSTON HOUNDS:Total=55	MANGY MUSHERS:Total=47
Bill - K5ZTY	Pete - NV4V <-
Bill - W5SB	Paul - VA7NT <-

Terry - KQ5U
Dan - KK5LD

Bruce - N7RR <-
Ed - K1VP

NIGHT OWLS:Total=32

Ed - WE6W <-
Rich - N5JI
Dan - N7CQR <-
Ben - NW7DX

OKLAHOMA TORNADOS:Total=41

Cliff - AB5UA <-
Royce - KE5TC
Don - K5AAR
Gody - AC6U <-

RAIDERS OF THE LOST RF:Total=35

Fred - VE3FAL
Earl - VE6EWM <-
Mary - NA6E <-
Bruce - VE5RC <-

SCATTER SHOT GUNNERS:Total=56

Mike - K1MG <-
Jack - W5TFB
Stan - N6XU <-
Pat - K0PC

SFBA FOGHORNS:Total=17

Bob - N6WG <-
Conrad - NN6CW
Andreas - N6NU
Allan - K7GT

SWAMP RATS:Total=57

Tom - N1TP
Mac - AF4PS
Fred - W2XN
Paul - AJ4Y

SWORDS:Total=33

Rick - WB6JBM
Andy - KC8KFI
Doc - K0EVZ <-
Dan - N8IE

TEAM CRAMP.COM:Total=33

OJ - K1OJ
George - K5VUU
Mike - K5NZ
Eric - NM5M

TEAM ScQRPion:Total=57

Floyd - NQ7X <-
Gary - AB7MY
Conard - WS4S
Bob - KI7MN <-

TESLA'S TERRORS:Total=78

Wayne - N0EA <-
Dan - N0DT <-
Tim - N0EHW
Joe - W0JOE

TEXAS TARANTULAS:Total=52

Bill - K5LN
Dave - N5IW
Bob - AF5Z <-
Tom - N5TW <-

UNDERDOGS:Total=64

Roy - AB7CE <-
Dan - N4ROA <-
Brian - KB9BVN
Ron - KI0II <-

WESTERN WRANGLERS:Total=28

Randy - K7TQ <-

NORTEX Irregulars:Total=6

Doc - W5TB

Chuck - K7QO
Steve - WW7Y
Ron - KU7Y <-

Joe - KK5NA Steve
Don - N5YAK
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

Date: Tue, 18 Jan 2000 17:19:01 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [60713] The NorCal Page
Message-ID: <2.2.32.20000119011901.0069a874@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have added Denis Englander KO6GF's report on the January 2000
NorCal Meeting complete with pictures.

I have also added a piece by Carel Mulder PA0CMU. He first
built a set of the NB6M paddles, then did a beautiful job
of building a Double Paddle set using the same construction
technics. He is shareing this with us complete with some
real nice photos.

http://www.fix.net/norcal.html

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Tue, 18 Jan 2000 13:12:15 -0700
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60714] Info
Message-ID: <3884C91F.3EB2@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

What would be the going used price for the following rigs?

TS-130V
FT-301
FT-7 (Does Yaesu make a cw filter for this model?)

72 and Tnx, Tom WB5QYT

Date: Tue, 18 Jan 2000 20:20:39 EST
From: SKIPNC9O@aol.com
To: prvalko@oakland.edu, qrp-l@lehigh.edu
Subject: [60715] Re: OT :Re: Mastering the code (what worked for me)
Message-ID: <8d.d23e29.25b66b67@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 1/16/00 8:48:30 PM Central Standard Time,
prvalko@oakland.edu writes:

<< To make the jump to light speed (Extra) I literally had to take EVERY
 microphone I owned and stuck them up in the ceiling tiles of the hamshack.

 So, if I wanted to play with the ham rig, it HAD to be CW. It worked for
 me.
  >>
   This is exactly what I did to get my speed up for the General code test, I never looked back. I didn't have two meters in the car at the time. Also I got on the air for at least 30 min. a day and made one contact. Even that was difficult at times with family obligations and all.
   Now where did I put those 40 wpm tapes?

73, Skip Davis NC9O

Date: Tue, 18 Jan 2000 20:24:31 -0500
From: "Eddie" <Eddie@nac.net>
To: <qrp-l@lehigh.edu>
Subject: [60716] Indoor antennas
Message-ID: <001d01bf621b$f7d78940$61747bd1@eddiepc>

Has anyone ever used the MFJ loop antenna and had success with it. I cant put up antennas outside of my apartment so Im stuck.But I hear the MFJ lop can be used indoors. I also dont have an attic so I hope I can find a solution to this problem. I might be able to get away with a flamethrower by the trees in the yard who knows; anyone ever done this one!!

Date: Tue, 18 Jan 2000 20:24:38 EST
From: RangerSF5@aol.com
To: wb5qyt@efortress.com, qrp-l@lehigh.edu
Subject: [60717] Re: Info
Message-ID: <88.44eb9c.25b66c56@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 1/18/00 8:19:08 PM Eastern Standard Time,
wb5qyt@eFortress.com writes:

<<
 FT-7 (Does Yaesu make a cw filter for this model?) >>
Yes,
Well they used to but there was a slight fitting problem.
The rear of the top cover would not seat down all the way.
I'm sure that problem has been solved and the filter is very sharp.
Bob WA2HOQrp <tm>

Date: Tue, 18 Jan 2000 19:33:02 -0600
From: Marty Watt <N5NW@midsouth.rr.com>
To: qrp-l@lehigh.edu
Subject: [60718] DCTL Pages are moving!
Message-ID: <rq4a8s4231bt6m4an1huinqm6nevtb25mi@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 18 Jan 2000 16:52:54 EST, ARDUJENSKI@aol.com wrote:

>I am testing a DCTL (Distributed Capacitance Twisted Loop) tonite 0100Z=20
>around 7044. If you get a chance either stop by for a sig report or send=
 me=20
>an email if you heard me.
>
>The loop is about 15ft of 300 ohm line, see site below for details:
>
>http://home.earthlink.net/%7Emwattcpa/antennas.html

To the group:

The earthlink/DCTL page will no longer function after January 31, 1999.

THE NEW SITE IS:

http://marty.w.tripod.com/antennas.html

Please ensure your bookmarks are updated!

--
Marty, N5NW
_____=
_____
Lakeland (Memphis), Tennessee =
http://marty.w.tripod.com/
N5NW@midsouth.rr.com

Date: Tue, 18 Jan 2000 19:36:51 -0600
From: sholisky@ktca.org (Scott Holisky)
To: qrp-l@lehigh.edu
Subject: [60719] FOX: AF5Z = BIG SIGNAL
Message-ID: <fc.000f548a005526d3000f548a005526d3.5526dd@ktca.org>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Well Bob you report was an honest 599 here in the Twin Cites. One of the strongest fox signals I've ever heard! What a pile up!

Are you gonna' share the secrets of what antenna's you used?

73 - Scott N0AR

Date: Tue, 18 Jan 2000 20:40:54 EST
From: Shephed@aol.com
To: qrp-l@lehigh.edu
Subject: [60720] FOX: My bad (fist)
Message-ID: <5c.5a19e7.25b67026@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Man, I don't know what was up with me tonight, I could not remember my number to save my life.

Oh well, Bob you did a great job and the Hounds also sound great.

72, 73, oo's
Dan, N8IE Kettering,Oh
FPqrp #--6, QRP-l #1404, FISTS #4985, Zombie #667
http://members.aol.com/shephed/n8ie.htm

Date: Tue, 18 Jan 2000 17:14:44 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: we6w@netzero.net, prm@hiwaay.net
Cc: qrp-l <qrp-l@Lehigh.EDU>
Subject: [60721] RE: Tuner ZM-2.
Message-ID: <38851004.927A1D42@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed & Rich,

Noticed your post, Ed, about the ZM-2. I have acquired one and really like it. I do have a couple of comments in response to your post and I hope I don't come across as a smart allick 8~).

Seems to me, imho, that if the rig output is 80 ohms, then the discontinuity is at the output of the rig between the 80 ohm output and the 50 ohm coax. The reflected wave would propagate back into the rig output circuit reducing net rig output rather than along the coax link to the ZM-2. The coax is 50 ohms as is the input bridge circuit of the ZM-2. A reflected wave on the link between the rig and ZM-2 can only result from an imbalance at the ZM-2 input bridge. The led should go out if the ZM-2 can tune the load to 50 real ohms indicating a perfect match.

I learned a little trick watching Dave Fifield tune his ZM-2. Tune the input cap for least illumination. Then the output cap. If the led is still illuminated, detune the input cap ever so slightly, then try the output cap again. Never fails to put that light out.

Also, make sure the output link switch is set for a balanced load when your load is balanced. I know! Sounds trivial. But the trick is to distinguish a balance from an unbalanced load. I'm temporarily using a vertical dipole with the cold side on the ground coupled directly to the ZM-2 without a feed line. I used insulated wire to construct the antenna. Typically a vertical, even with only one radial, is unbalanced and fed with coax. The direct coupled one radial insulated antenna, however, looks more like an electrically balanced load than anything

else to the tuner and it tunes much easier when the output circuit is configured for a balanced load.

BTW, I'm using this set up for my recently completed working 2N2/40. Made my first contact without a tuner but I am certain that the 3 2N2222s in the PA of the rig are happier looking at a flat 1:1 SWR.

So, Rich, what to do for your next project? I've had a good deal of fun on 20 mtr with the club NC20. The band really is alive with DX in the summer. The thing is to balance out the projects with operating. I really enjoy building and that is a significant aspect of the hobby. But so is getting on the air. So I am setting some goals for myself to become a better operator, get some DX confirmed, earn one of them awards, etc...without, of course, letting the soldering iron get tooo cold. ;~)

72s

Arth W6AGS

Date: Tue, 18 Jan 2000 21:11:26 +0000
From: Michael Neverdosky <mneverdosky@earthlink.net>
To: k5zty@juno.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60722] Re: Grounding
Message-ID: <3884D6FE.4C29F0FB@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There are a variety of ways to measure the resistance of a ground system.
A common one is the, 'fall of potential- 3 point measurement'.
In this test you place two test rods at specific distances from the ground
rod under test. Now Force a constant current through the ground rod and the far
test rod and measure the voltage between the ground rod and the closer test
rod. A bit of calculation and you have the 'ground resistance'.
In practice most of this is done by the test equipment.

One source of information and test equipment is;

AEMC Instruments
99 Chauncy St.
Boston, MA 02111

(617) 451-0227
(800) 343-1391

They have a booklet called, "Understanding Ground Resistance Testing" that they
sent me for free. Also ask for catalogs of test equipment.

You can also get lots of good information from Polyphaser.

michael N6CHV

k5zty@juno.com wrote:
>
> My question that I have asked before and ask again is how do you measure
> the 25 ohms.
> >From what to what???? And what do you measure it with???? If there is a
> code, there
> must be an inspector. What does he bring to the job site to measure this
> with??? How does he hook it up and what does he hook it up to????
>
> Bill, K5ZTY
> Houston, TX

Date: Tue, 18 Jan 2000 21:22:38 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [60723] FOX #22 Bob AF5Z
Message-ID: <99.5c93e9.25b679ee@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wow, what a job, Bob! Calling people by name! Impressive!

I rushed home from a meeting, walked into the shack at 0150, tuned to 7.041
+/-   tuned up a tad, rit down, there he is... fired off the call ONE TIME
and BANG!

Solid 599 over the gulf water. Thanks for the fun!

-MAC-
AF4PS After Foxes 4 Pete's Sake #704
A Florida Swamp Rat

Date: Tue, 18 Jan 2000 21:19:44 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [60724] Price for Sierra w/5 watt mod?
Message-ID: <200001182123_MC2-9532-B749@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Gang:

Believe it or not, I am considering parting with my SOTA Sierra rig. It has all the band modules, except for 160. Also has the German PA 5-watt amp (can be adjusted down to QRPp by a simply control on the back panel).

But.....what price should I set on this rig? Don't really know what it might bring.

BTW, this rig was completely updated and tweaked by Wayne Burdick himself. It truly is fabulous and works magnificently.

Would be happy to hear from you re setting the price. Thanks in advance.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   K0EVZ@arrl.net

Date: Tue, 18 Jan 2000 21:24:19 EST
From: KB0R@aol.com
To: jerrys@execpc.com, qrp-l@lehigh.edu
Subject: [60725] Re: FYBO Contest - 2/5/2000 - are you operating?
Message-ID: <28.fca9a4.25b67a53@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Minnesota QRP Society will be on for FYBO from Minnetonka Minnesota. Running WQ0RP. Don't know what rigs yet.

CU there,

Larry   kb0r

Date: Tue, 18 Jan 2000 21:38:37 -0500
From: w2xn@juno.com
To: qrp-l@lehigh.edu
Subject: [60726] Fox Hunt
Message-ID: <20000118.213842.-745091.2.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Nice job as fox, Bob. And VERY impressive too calling each fox by name.
You must have done your homework. Ther are only two people that I have
run into that can call you by name on short notice without looking at a
piece of paper with your name on it.

One of them is you, as a fox tonite, and the other is a lawyer while
questioning prospective jurers.

Great job as the fox. congrats.

Fred W2XN   w2xn@arrl.net (A Swamp Rat hound)
Lakeland, FL
W5YI-VE   Skywarn #POL-007   Polk County ARES
AR QRP #233   QRP-L #1728   NJ-QRP #197   ZOMBIE #709

Date: Tue, 18 Jan 2000 19:41:46 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: qrp-l@lehigh.edu
Subject: [60727] Finally bagged a Fox
Message-ID: <20000118194146.B1697@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just after I first tuned him in the QRN went up by 30 dB or more, but after
patiently waiting for ten minutes, it dropped back down and there he

was, almost like he had been waiting for me. It seemed like he was
getting bagged at a pretty good rate.

Well done, Bob.

Bob

--
Bob Nielsen, N7XY (ex-W6SWE) (RN2)   nielsen@primenet.com
Tucson, AZ DM42nh QRP-L #1985   http://www.primenet.com/~nielsen

---

Date: Tue, 18 Jan 2000 20:07:52 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: tscott@eni.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60728] Re: ? antenna and matcher for QRP student rigs...
Message-ID: <38853898.7C206863@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tom,

A simple antenna which I use for portable use is the W3EDP. Just an 85'
wire and a 17' counterpoise. This does need a tuner, but it can be a
very simple coil and capacitor, similar to the Rainbow tuner. It
probably can be tuned by listening to the received signal peak. (I can
do it that way with my ZM-2 Tuner)

There is a website which has a small tuner in a film can, I think, that
is designed to tune the W3EDP. (it's Frank's website in UK, I forget
his call)

This long wire can be just thrown over a limb or stretched wherever, and
it will work. It is not as good as a good high dipole, but it can't be
beat for simplicity, and that may be an advantage in your situation.

Tom Scott wrote:
> There are many things not fully worked out yet, among them what
> will the students do for an antenna at home.

I've made W3EDP's from small insulated speaker wire (pull the two lines
apart) from Radio Shack and rolled the entire antenna on an old 3" audio
tape reel.

Hope this helps.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Tue, 18 Jan 2000 19:42:51 -0800
From: Bob Kellogg <ae4ic@nr.infi.net>
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60729] Antennas: 160 M Loop Rcv Antenna design
Message-ID: <388532BB.1DF82102@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck,

I just built a receiving loop for 160M that works fine. I live in a low noise location, but wanted to try the direction/nulling feature.

The design is mine, but it's based on many articles including the ones you mention.

The loop is 6 feet 3 inches in diameter, which makes the circumference about 20 feet. I used a two wire shielded cable from the Wireman which gave me a two turn loop. This two turn arrangement puts the tuning capacitor (normally at the center of the loop) at the bottom, so all of the tuning network could be in one box, easily accessable at the bottom of the loop. The shield was broken for about 3/4" at the top of the loop. I shielded the bottom box, and tied that shield to the rest of the loop shield. The shield is grounded as directly as possible.

The loop itself was made of plastic electrical conduit. Two ten foot lengths, plus a box at the bottom and a "T" connector at the top. There was a vertical diameter pipe for strength, cut from a third length of conduit. The shielded cable was threaded inside this loop, terminating in the box at the bottom. I used a small terminal strip inside the box to anchor the ends of the loop and the 50 ohm coax feed. A 50pF trimmer was mounted on this strip and completed the connection at the center of the loop.

The inductance and capacitance of the two turn loop is such that it is near resonance on 160M. The 50pF trimmer tunes the entire 160M band.

Impedance of the loop was high, so I used a 10:1 transformer (not a balun) to reduce it to something I could connect to my rig.

I used it with my K2 and the rig's RF amp has enough gain to almost make up for the low output of the loop. If I needed to use this loop on a regular basis, I'd build a separate RF amp with at least 20dB gain. My final design will probably include an RF amp at the base of the loop.

The loop works very well as far as noise control is concerned. There are deep nulls at broadside to the loop, and these nulls will minimize or eliminate man-made noise. I had some noise from a motor or something in my house, but by turning the loop about 25 degrees, the noise was gone, but the desired signal was not affected.

"Problem" with such a loop: The tuning is pretty narrow, so that the range of 1.5:1 SWR or better is only around 10 KHz. This means that in order to cover the whole band, or even a reasonable part of it, you must be able to adjust the trimmer capacitor. I worked on a small motor driven trimmer which could be controlled from within the shack, but haven't come up with a practical design. (I wanted it *small*)

Note that this kind of a receiving loop will work on 160M to reduce noise very well, but on higher bands where the signals arrive more by skywave (not groundwave) it will be less effective.

My plan is to mount the loop outside, about six feet off the ground (on a fence post) with a rotor, and control it from the shack. The tuning problem has temporarily sidelined me on this.

Hope this helps.

CUL,
Bob Kellogg, AE4IC Greensboro, NC
Prolably, not nececelery. - Benny Hill

Date: Tue, 18 Jan 2000 22:16:26 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu, nwq-l@scn.org
Subject: [60730] DCTL TEST RESULTS
Message-ID: <96.1843c8.25b6868a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It was short notice but Scott VE7ARS(BC) and George N6ZS (Sacramento,CA) and Ben NW7DX (Redmond, WA) stopped by giving reports of 599+, 579, and 549 respectively. All stations were off the end of the loop where this is significant rejection occuring. Also worked VE7CCU about 30minutes before the test in Powell River BC. I tried it at both 5W and 100W. There was about 1-1/2 S-unts improvement

For 40M test I was running TT CORSAIR I at 5W and the DCTL was broadside E and W.

Earlier I worked N7IF in UT on 20M on 5 watts also.

The DCTL works very well as a restricted space antenna. The 40M version which this matched nicely with my 229 tuner on both 40 and 20M.

It is inexpensive to build and works remarkabley well.

This is the 3rd one I built for hams in antenna restriced areas. A special thanks to Dave NF0R for his info and support.It should be noted here that Dave's recommendation to sandwitch the juction of the wires between two pieces of plastic or lexan is necessary due to the fragile nature when using t he RS lite 300 ohm line. Alan KB7MBI

Date: Tue, 18 Jan 2000 21:25:30 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-l@Lehigh.edu>
Subject: [60731] XMTR: TT2 & ZM-2
Message-ID: <021901bf622c$d6f7a460$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
  charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm now a believer in the ZM-2 QRP antenna tuner. I know it's not a record or anything, but up until tonight the farthest away, from my Northeast Alabama QTH, I have made a contact on my TT2 was Mobile, Alabama.

With my ZM-2 in line and tuned, using the same inverted vee up about 40 feet, I just now had a QSO (answered his CQ) with Aron, N1ODL in Bedford, N.H. He was running a powerful 4 watts and was hearing my 300 milliwatts good enough (229) to exchange basic info before QSB and QRM ended our QRP to QRP contact.

I have my WM-2 in line and it certainly is nice to look over at the reflected power and see "nill".

72

Richard, WA4NWW

Date: Tue, 18 Jan 2000 22:24:36 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:af5z@inetport.com" <af5z@inetport.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [60732] FOX QSO at 97 mW :-)
Message-ID: <200001182226_MC2-9547-1D11@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Bob:

Well thanks for the very *last* second QSO:-). Wow, you have some great ears there. I was running a measured 97 mW from the K2 to the 540' horizontal loop up 33'. You were at least 579 and probably actually 589 at that point. Really didn't think you would pick me out of the background noise, but threw out a call anyway, just in case, just to check the propagation. WoW :-).

Good job throughout. Sounds like you may have set a brand new record for total pelts. Thanks again.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 18 Jan 2000 21:24:42 -0600
From: "Don Wines" <dwines@tyler.net>
To: <elecraft@qth.net>, "QRP-L LIST" <qrp-l@lehigh.edu>
Subject: [60733] Re: [Elecraft] PS for K2 ! Belated Response
Message-ID: <00eb01bf622c$bb6e14e0$0772a5d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to everyone who responed to the K2 PS "tenths of a volt" thread. I apologize for the belated BW but my ISP has been down for a day and I've just finished going through several hundred posts!

I popped the lid on the 35M and found the Vadj pot on the regulator board. My model (built about 10 years ago) has the regulator board mounted on one of the capacitors .. upside down. The pot was on the under side and a little tricky to get to, but the output is now 14.1V... if it really makes any difference.

A word of caution to anyone working on the inside of one of these supplies. The capacitors DO NOT have bleeder resistors and retain a hefty 21-22V charge even though the power cable is unplugged! I used a 100 ohm power resistor to bleed off the voltage before I tried to make any adjustments.

Anyway, thanks for all the info!!
The QRP-L and Elecraft lists are the greatest!

Don, K5DW
QRP-L #2083
k5dw@arrl.net

Date: Tue, 18 Jan 2000 21:35:28 -0600
From: "Bob Helms" <af5z@inetport.com>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Subject: [60734] FOX: AF5Z initial FOX Log - 1/19/00
Message-ID: <200001190336.VAA27972@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Whoopee, My mangy pelt is hanging all over the place!!

The Tuesday FOXHUNT got off to a loud, rather fast pace after a little taunting at 0100Z (;>. The hounds were attentive and responsive particularly early when skip was good. Pelts were nailed about one a minute for the first hour and at a good rate for another half hour but the last half hour was really tough.

The frequency was reasonably clear here but apparently I couldn't hear anyone who was hearing me after the skip went really long. Note the last few QSOs were Canada or far north US.

I'm sure there will be typos in the initial log below. I'll be cleaning it up based on research & your DIRECT emailed corrections. Yes, the sequence numbers are off - I logged Tim, K5OI twice at the start and Doc, K0EVZ worked me twice so the actual tally should be 84 contacts.

FOX - AF5Z - 0100-0300 UTC - January 19, 2000

SEQ	TIME	CALL	RCVD	SPC	NAME	NR	POWER
2	101	K5OI	599	NM	TIM	73	#N/A
3	101	W1XT	579	AZ	BOB	262	#N/A
4	102	W0CH	599	MO	DAVE	618	#N/A
5	103	K0EVZ	579	ND	DOC	861	#N/A
6	104	N0EA	559	MO	DEWEY	1058	#N/A
7	105	N0EHW	599	MO	TIM	2047	#N/A
8	106	W0JOE	559	MO	JOE	1901	#N/A
9	107	N9AW	579	WI	JERRY	2271	#N/A
10	107	N0UR	579	MN	JIM	799	#N/A
11	108	N8VAR	559	OH	RON	263	#N/A
12	109	AB5UA	579	OK	CLIF	478	#N/A
13	109	K5AAR	559	OK	DON	1512	#N/A
14	110	AA0ZZ	559	MN	CRAIG	1238	#N/A
15	111	N0DT	559	MO	DAN	1004	#N/A
16	112	N0AR	599	MN	SCOTT	1455	#N/A
17	113	N1TP	599	FL	TOM	1317	#N/A
18	113	K5ZTY	559	TX	BILL	473	#N/A
19	114	AE4Y	569	GA	KENT	1844	#N/A
20	115	KU7Y	599	NV	RON	17	#N/A
21	115	AB7CE	559	MT	ROY	1494	#N/A
22	116	NV4V	559	KY	PETE	1721	#N/A
23	117	K8CV	559	MI	WALT	935	#N/A
24	118	W2XN	559	FL	FRED	1728	#N/A
25	119	N8IE	559	OH	DAN	1409	#N/A
26	120	N4XDW	599	AL	JAY	1372	#N/A
27	121	K7RE	559	AZ	BRIAN	404	#N/A
28	121	AF4PP	559	GA	CHUCK	1785	#N/A
29	123	N5CLU	559	KS	STEVE	378	#N/A
30	125	KU4AF	559	NC	JOHN	977	#N/A

31	126	N4ROA	559	VA	DAN	970	#N/A
32	127	VE7NT	599	BC	PAUL	0	#N/A
33	128	WE6W	559	CA	ED	1968	#N/A
34	128	K1MG	579	CA	MIKE	614	#N/A
35	129	N3AO	559	PA	CARTER	2111	#N/A
36	133	K1LN	559	TX	BRUCE	2048	#N/A
37	133	K5UP	599	OK	GLEN	21	#N/A
38	134	AE2T	599	NY	AL	1664	#N/A
39	135	NQ7X	559	AZ	FLOYD	343	#N/A
40	135	KI7MN	599	AZ	BOB	271	#N/A
41	137	KB9IUA	599	KEVIN	IL	384	#N/A
42	137	NA6E	44	CA	MARY	1779	#N/A
43	138	K5OT	559	OK	LEN	#N/A	2W
44	139	VE5RC	559	SK	BRUCE	886	#N/A
45	140	WB8RCR	579	MI	JOHN	1446	#N/A
46	141	K0PC	559	MN	PAT	1964	#N/A
47	142	K1VP	559	NH	ED	1960	#N/A
48	143	K1JD	33	RI	JOHN	1945	#N/A
49	144	W0RSP	559	SD	ADE	62	#N/A
50	146	W8SFF	559	MI	STEVE	1288	#N/A
51	147	W0RW	599	CO	PAUL	1284	#N/A
52	148	N0TU/M	599	CO	STEVE	911	#N/A
53	151	K4JSI	559	MD	CALVERT	N/A	4W
54	152	AF4PS	559	FL	MAC	704	#N/A
55	153	N6WG	559	CA	BOB	26	#N/A
56	155	KK5LD	559	#N/A	DAN	#N/A	#N/A
57	156	WW7Y	559	UT	STEVE	94	#N/A
58	157	NW7DX	559	WA	BEN	1792	#N/A
59	159	AB8DF	339	MI	ED	1444	#N/A
60	201	K7TQ	559	ID	RANDY	102	#N/A
61	202	KC1FB	559	CT	JIM	29	#N/A
62	203	KI0II	549	CO	RON	928	#N/A
63	204	NK6A	569	CA	DON	1517	#N/A
64	205	W7ILW	559	AZ	HOWARD	2010	#N/A
65	206	WA9PWP	569	WI	PAUL	127	#N/A
66	207	N7RR	449	WA	BRUCE	1688	#N/A
67	208	WD8KQY	579	OH	GARY	446	#N/A
68	212	N7XY	599	AZ	BOB	1985	#N/A
69	214	N7CQR	559	OR	DAN	502	#N/A
70	216	VE6EWM	559	AB	EARL	1076	#N/A
71	222	K0YWD	559	MT	SKIP	2003	#N/A
72	226	W2APF	599	MA	THAIRE	2062	#N/A
73	236	VE5QRP	559	SK	BRUCE	#N/A	5W
74	237	N3YSI	579	PA	PAUL	1835	#N/A
75	238	KA5T	599	TX	LARRY	89	#N/A
76	240	KF2PH	579	NY	NICK	13	#N/A
77	241	NF0R	559	MO	DAVE	33	#N/A
78	243	W0QE	599	CO	LARRY	#N/A	50W

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79   245  VE1MT     559  NS   LAYTON 1448   #N/A
80   247  KK5VH     599  TX   JOHN 4599 #N/A
81   249  N2LO 599  NJ   BOB  #N/A 4W
82   252  K6TM 559  CA   RICH 1092 #N/A
83   253  K4LL 569  GA   TOD  #N/A 3W
84   254  KU4QO     599  FL   MIKE #N/A 5W
85   258  K2JQ 599  NY   DICK 1811 #N/A
86   259  K0EVZ     579  ND   DOC  1968 #N/A (DUPE)

Station was a Ten-Tec Corsair II at 4W to a 80 Meter Full-Wave
horizontal delta loop with corners at 60, 35 and 30 feet.  Log
and CW sent mostly with Write Log software....

Oh, no - My memory isn't that good - I cheated and created a
file of calls and names in advance so I could call many of you
by name in the exchange by pushing a function key.

72,

Bob Helms, AF5Z        one of 'those pesky Texas Tarantulas'
af5z@inetport.com


------------------------------

Date: Tue, 18 Jan 2000 21:53:39 -0600
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60735] FS: NCG 15 Meter SSB/CW mobile transceiver
Message-ID: <38853543.31635CE1@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

NCG 15M

15 Meter SSB/CW transceiver
21.000 - 21.450 USB or CW (manual break-in)
10 Watts PEP - Hi, 2 Watts PEP - Low
VFO, RIT, Digital Display, Noise Blanker

Used, in very good condition, everything works
with mike, DC cord, and manual.

Would be good for QRP satellite
```

$175.00 OBO + shipping from 75070

73 - Dave
==========
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Tue, 18 Jan 2000 20:57:26 -0700
From: Tim Pettibone <k5oi@zianet.com>
To: af5z@inetport.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60736] Re: FOX: AF5Z initial FOX Log - 1/19/00
Message-ID: <3.0.5.32.20000118205726.0079b760@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Now that was impressive! The wife said "Dinner is ready" and I said "OK, I'm just looking for the FOX". Then I heard Bob setting up at 0100z and saying "FOX" etc. I threw in the call, twice, and he came right back! Of course he was running 30-40 db over S9 - never heard that before. Great job Bob. Don't usually get to be Number 1!!!! Thanks.

Tim K5OI
Las Cruces, NM

Date: Tue, 18 Jan 2000 22:58:41 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [60737] Ref: A Really Juicy CW Note
Message-ID: <38853671.1317D78E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That reminds me of a less pleasant experience. Not too long ago I was cruising 40 for targets of opportunity when I heard this horrible whoopy buzzy sort of signal. Now I've heard some very "interesting" home brew signals over the years. I myself have put some circuits on the air that benefited from folks telling me that something needed a little help. I thought I was hearing a fellow home brewer and called back. During the exchange the guy went on to brag for many minutes about his Collins

KWM-3A "The greatest rig ever made" and he went on and on about how
wonderful it was and nothing could compare to it. Well... maybe if it
had a few less stale tubes in it.
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Tue, 18 Jan 2000 21:09:48 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: Eddie@nac.net, qrp-l@lehigh.edu, w5xe@juno.com
Subject: [60738] Re: Indoor antennas
Message-ID: <200001190409.VAA11292@rgfn.epcc.edu>

Big picture window? or a sliding glass door to a balcony?
then you might consider using some copper foil tape - like used
in the stained glass business and make a loop around the inner
perimeter of the window/glass door. Fed as a loop or a bent
dipole type antenna. If you have a place to stand a bird house,
(outside access?) you can mount a little birdhouse/feeder on a metal pole (duly
insulated to protect the wildlife, of course)
10-12 feet long and feed the base of it (where it can't be seen)
and you should be able to work 10-20 meters, with a tuner. I seem
to recall that Kurt N. Sterba or World Radio Magazine fame had
at one time put a 30 gallon garbage can in his yard and was
able to make contacts using that as an antenna. Again, outside
access required. One item that was somewhat popular in the past
was the lamppole antenna, using an adjustable lamppole that is
designed to mount in a corner of the room and held by spring loaded
ends, with a center loaded coil and base fed, using a tuned
radial system around the wall baseboard to complete the system.
flame throwers are too smelly. Good luck
73
Ray

--
"The more I see of the representatives of the people,
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NARTE-NCT2
(also w5xe@juno.com   El Paso,(FAR WEST) TEXAS

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Tue, 18 Jan 2000 20:52:19 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-l@Lehigh.EDU>
Subject: [60739] QRP FS: Misc
Message-ID: <Pine.GSO.4.10.10001182021580.21036-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I have three items for sale. These are not mine, I am
just selling for a good friend. He is not a ham and has
decided not to continue his quest for a lincense.

If after getting any of these items you don't like what
you see, ship it back and I'll give your money back. Can't
beat that!

All items are a 10 on a scale of 10.

1: OHR 100, 40m.

This is built but not tested. The builder is a very skilled
EE and I have seen many of the things he did at work. I doubt
that there are any errors at all. $100 + shipping.

2: DD-1, digital read out.

This is a new, never opened kit. New price is $80.
Sell for $60 + shipping.

3: WM-2 Wattmeter.

The board has been compleated and the switch is wired. Nothing
has been mounted in the case yet. New price is $90.
Sell for $70 + shipping.

And this one is mine:

Radio Shack DSP 40.

This is a digital signal processor and includes a 5w audio
amp and built in speaker. I used it with my NorCal 40a a few
times from the motel room. Works OK but is NOT like a true
IF DSP.

If I remember right, these were on sale for around $35 when
I got it. Sell for $25 including shipping.

All the above items include full documentation.

Thanks,

73, Ron

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Tue, 18 Jan 2000 22:04:02 -0700
From: "Robert Armstrong" <barmstrong@sisna.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [60740] Re: trade qrp for scope
Message-ID: <000b01bf623a$9aae4280$eeb4d2d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hummm ..... I have a binocular scope that originally sold for about $1000

10 years ago. I used it for a few years and then it was knocked out of alignment so that the binocular feature didn't work. I don't know if it can be repaired or not, but there are no lens or mirrors broken. It has four lens on a turrent, I think they are 5X, 10X, 100x and oil immersion. There is an adjustable light source.

I brought it home thinking my kids would be as excited about it as I would have been years ago, but no one has showed any interest. It's sitting in the attic in it's bombproof box.

Let me know if you're interested. If so, I'll dig it out and give you the details.

Bob, N7XJ

Date: Tue, 18 Jan 2000 23:03:59 -0600
From: "Richard Matthews" <prm@hiwaay.net>
To: "q" <qrp-l@Lehigh.edu>
Subject: [60741] Propagation: miles per watt
Message-ID: <025d01bf623a$989b4100$6f85150c@scottsboro.org>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just found a good page for calculating distance and direction between two places and it draws a map showing both. Check out
http://www.jobfactory.com/distance.htm

I'm sure there are more such sites. using its calculation, my 40 meter QRPp contact tonight was 3,197 mpw, not a record I know by far, but my best yet and not a scheduled contact.
72,

Richard, WA4NWW, Northeast Alabama

Date: Wed, 19 Jan 2000 00:35:56 EST
From: ARDUJENSKI@aol.com
To: nwq-l@scn.org, qrp-l@lehigh.edu
Subject: [60742] Check out "The K6STI 160M Receiving Loop"
Message-ID: <c1.6e7214.25b6a73c@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Not sure if this was discussed but if you don't have room for a beverage antenna or phased verticals for 160M and want a good alternative for a small lot 160M receiving antenna take a look here: http://www.angelfire.com/md/k3ky/page45.html.

This is about a 21 ft square up 10 ft and a low angle of reception.

OR JUST Click Here: <A HREF="http://www.angelfire.com/md/k3ky/page45.html">The K6STI Receiving Loop</A>

Alan KB7MBI

Date: Tue, 18 Jan 2000 22:01:10 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60743] Re: Antennas: 160 M Loop Rcv Antenna design
Message-ID: <01bf6242$96227f30$c4d7fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob
Your desire to remotely tune the loop isn't at all unique.
It has been done by others using varactors in place of the tuning cap.
If you use two back to back, it can look just like a split stator cap with grounded rotor.
Depends on your spe;cific loop layout.
Use RF chokes for isolation where needed.
Feed the dc bias over the coax to the diodes.
73, Bob N6WG

Date: Wed, 19 Jan 2000 01:03:09 -0500
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [60744] calculating distances in miles
Message-ID: <3885539C.F89EEB2F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Another very good site for distance calculations is:

http://www.indo.com/distance/

World-wide with map.

Tom, N1TP
Naples, Florida

Date: Tue, 18 Jan 2000 22:22:51 -0800
From: Ed Loranger <we6w@netzero.net>
To: ags@ieee.org
Cc: prm@hiwaay.net, qrp-l <qrp-l@Lehigh.EDU>
Subject: [60745] Re: Tuner ZM-2.
Message-ID: <3885583B.F14BBB0D@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll try to explain my reasoning in a different way.

We are saying nearly the same thing and I'm only going
on about this because I want to clarify.

Assume the ZM-2 is in the circuit but only as a
tuner with the bridge bypassed.

Assume your rig has a 80 ohms output impedance.

The goal is to convert the impedance presented by
the antena where the feedline meets the ZM-2 to the
impedance of seen at the rig connection to the ZM-2.
With a very short coax between rig and ZM-2 the
80 ohms rig output impedance is basically the value
to match to the antenna.

Ok. Now, also assume you are tuning the ZM-2 but
observing reflected power on your WM-2 connected
between the rig and the ZM-2. When the WM-2 measure
no reflected power from the ZM-2, I think we agree that
there is a matched condition of 80 ohms at the rig to the
feedline where the antenna impedance appears as some
value to the ZM-2. The ZM-2 is functioning only as

a tuner at this time.

Now, for giggles, Switch the ZM-2 bridge into the
transmitted signal path and observe the led is now
glowing. An adjustment to extinguish the LED would
result in a 50 ohm match to the input of the ZM-2 where
the rig is connected and, as you pointed out, the only
mismatch is the 80 to 50 ohm connection from the
rig thru the WM-2 to the ZM-2. Phew.

It isn't much of a problem I guess, but I was trying
to explain why the led can be glowing when the
best match is obtained on some rigs, and yet on
other rigs the LED is completely extinguished in
both cases -- when the WM-2 measures minimum
reflected power and the LED extinguishes without
readjustment, your rig must have a good 50 ohm
output impedance.

On the Sierra I'm testing for Allan/K7GT, the ZM-2 settings
for minimu reflected on the WM-2 and for LED extinguished
are the same. Therefore the Sierra must have a good
50 ohm output on that band.

This has been fun. I hope the mystery of the led "slightly on"
while matched isn't as much so anymore.

Thankyou Art for bringing up the part regarding where
the losses might be, I hadn't mentioned that. Just talking
about the LED here and missing a few tidbits.

72 all es GN. -Ed we6w

--
72/Ed we6w; AR Millennium Q's=>2479/2000 A-1 OP
http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI#64 ARCI#9397 ARS#275 QRPL#1068 NC#2227

Date: Tue, 18 Jan 2000 21:37:15 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [60746] Fox 1/21 UTC (Swap w/K8CV)
Message-ID: <v03007809b4aafb0c23cb@[216.26.9.163]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Reminder-I'll be the fox on Jan 21 0200-0400 UTC (Thursday local) This is a swap with Walt K8CV who is taking my slot next week. Like most of the guys, I'll be listening both up & down from my transmit freq, which will probably be around 7042 +/-. I'll be using my T-T Corsair II with the tight 250Hz filter, so you want to 'hit' my passband. Listen for my pattern-you'll get it :). Multiple calls will land you in the kennel instead of the fox den!! Antennas will be courtesy of KA7OZO ; 40M beam, dipole & vertical, so we should be set for different conditions. My exchange will be (your call), RST,OR,(NR) 502, (your call) BK. I finally got my CMOS III keyer together and working after I figured out that I wired the buttons backwards (you've never done anything like that, right??), so the exchange is all set up to go. My speed should be 20-25, but I will slow to match you if needed. Let's all have fun, and I hope to work 'way more than I did last year!

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Tue, 18 Jan 2000 22:54:44 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60747] Re: QRP FS: Misc
Message-ID: <Pine.GSO.4.10.10001182253250.21753-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Only the OHR 100 is left.

Fast group!

> 1:   OHR 100, 40m.
>
> This is built but not tested. The builder is a very skilled
> EE and I have seen many of the things he did at work. I doubt
> that there are any errors at all. $100 + shipping.

Thanks,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....

Date: Fri, 15 Dec 2000 03:53:17 -0500
From: n2tpa@juno.com
To: QRP-L@Lehigh.edu
Subject: [60748] HB: PCB Layout Program
Message-ID: <20001215.035332.-146365.6.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

It's been a year in the making, but I've finally found a good, cheap PCB layout program. Since my work in PCBs doesn't involve sending out to anyone to have boards made, I didn't need export or import features, just something to draw layouts for transfer to film.

Go to http://www.labcenter.co.uk and have a look at Ares Lite. Like most others, the shareware version is limited to 100 pins, but an unlimited number of pins can be purchased for $35.

As a bonus, their schematic Editor (ISIS Lite) comes with an unlimited number of pins already. Only difference between it's shareware and registered versions is the removal of some "nag" screens asking you to register.

As everyone else says "I'm not an employee, nor a shareholder, just a satisfied customer".

73,

Bill
W2EB
Syracuse, NY

http://dl.www.juno.com/get/tagj.

Date: Wed, 19 Jan 2000 06:46:50 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'tjarey@home.com'" <tjarey@home.com>, Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>
Subject: [60749] RE: A Really Juicy CW Note
Message-ID: <2D343922E283D211945C0008C7A41B2A01A7432F@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

No such thing as a Collins Radio KWM-3A, Skip. Was that your
Typo? (kwm2a?)

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: T.J. "SKIP" Arey N2EI [mailto:tjarey@home.com]
Sent: Tuesday, January 18, 2000 9:59 PM
To: Low Power Amateur Radio Discussion
Subject: Ref: A Really Juicy CW Note

That reminds me of a less pleasant experience. Not too long ago I was
cruising 40 for targets of opportunity when I heard this horrible whoopy
buzzy sort of signal. Now I've heard some very "interesting" home brew
signals over the years. I myself have put some circuits on the air that
benefited from folks telling me that something needed a little help. I
thought I was hearing a fellow home brewer and called back. During the
exchange the guy went on to brag for many minutes about his Collins
KWM-3A "The greatest rig ever made" and he went on and on about how
wonderful it was and nothing could compare to it. Well... maybe if it
had a few less stale tubes in it.
--
++

  T.J. "SKIP" AREY N2EI   e-mail tjarey@home.com

     Website   http://members.home.net/tjarey

     Snail Mail: PO Box 236, Beverly, NJ 08010

   Specialization is for insects!   LAZARUS LONG

Date: Wed, 19 Jan 2000 06:14:54 -0700
From: "MGTGAZ" <gustoff@access1.net>
To: <qrp-l@Lehigh.edu>
Subject: [60750] Pacificon dates/logistics?????
Message-ID: <000d01bf627f$2d8f5500$b95b96d1@office>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Any info on this years event yet? Is there a web page for the event?

72,
Mark WO7T

Date: Wed, 19 Jan 2000 09:04:11 -0500
From: "William Penhallegon" <w4stx@gte.net>
To: <qrp-l@Lehigh.EDU>
Subject: [60751] help
Message-ID: <004201bf6286$2a4a10e0$a29a153f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello List.
Will those who operate CW mobile please send their recommendations for
mobile antennas for 40 and 20 meters to me direct. I want to try it and
would appreciate any help and pointers that I can get.
Tnx es 73,
Bill Penhallegon W4STX
Clearwater, Florida

Date: Wed, 19 Jan 2000 09:21:00 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [60752] DIPOLE-HOW HIGH?
Message-ID: <8b.d2900d.25b7224c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Warning: This is for NEWBIES ONLY! So you have that nagging question of HOW HIGH to put that dipole this might be of some assistance to you:

http://www.qsl.net/aa3rl/ant2.html

Alan KB7MBI

Date: Wed, 19 Jan 2000 06:32:53 -0800
From: Jeff Grudin <grudin@vdbs.com>
To: qrp-l@lehigh.edu
Subject: [60753] FS: Garmin GPS38
Message-ID: <3885CB15.742CDE8A@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have FS a Garmin GPS 38. Not specifically QRP, but alot of you guys hike and you don't want to get lost for the FYBO!

It is a handheld unit, runs 20hrs on 4 AA bats. Uses 8 satellites at once. Unit is like brand new (not a scratch on it) with original box and paperwork. Will give you your position, speed and altitude. Easy to use software. Can be connected to a computer via NMEA output and standard serial port.

You can check it out at www.garmin.com. It is a good unit to get you started in GPS.

Purchased a few yrs ago for $140. Asking $75 plus shipping.
--
73 de AC6KW <mailto:grudin@vdbs.com>
Jeff Grudin, DVM Web Add: http://www.vdbs.com/~grudin
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Wed, 19 Jan 2000 09:43:02 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu, nwq-l@scn.org
Subject: [60754] Check out "Stormy Seas Other Stuff"
Message-ID: <16.9be92f.25b72776@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Click Here: <A HREF="http://www.STORMYSEAS.com/other.html">Stormy Seas Other Stuff</A> and go to ITEM GRO50. This GOAT ROPER polarfleece hat comes with a headphone inside. No serious FYBO operator would be without one (smile). I got one a few years ago and it works great.
Alan KB7MBI

Date: Wed, 19 Jan 2000 08:18:23 -0700
From: Roger Hightower <n7kt@earthlink.net>
To: "James R. Duffey" <ji3m@maxwell.com>, QRP-L <qrp-l@lehigh.edu>
Subject: [60755] Re: FYBO Rules Clarification
Message-ID: <3885D5BF.605ECACA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Duffey wrote:

"Roger - I have read the FYBO rules and have one question. Is it OK to work
the same station on different bands? Or is it only once per contest like SS? I don't need a rush answer, but I am sure others will have the same question. - Duffey"

Yes. The rules say "Work stations once per band. Score one point per QSO."

You could work the same station six times, once on each band, and score them all.
--
72.....Roger

Roger Hightower, N7KT Mesa, AZ K2#591

Date: Wed, 19 Jan 2000 10:54:03 -0500 (EST)
From: klh@nsgqs.cb.lucent.com
To: qrp-l@lehigh.edu
Subject: [60756] Help, unknown SMD
Message-ID: <200001191554.KAA26353@nsgqs.cb.lucent.com>

Laura Halliday provided the information which led to the identification of the unknown '5H' surface mounted device. It is a MMBD701 Schottky diode. I have seen a couple of mfr standard marking lists, but the website http://www.marsport.demon.co.uk/smd/smdcode.htm

is much better. Thanks to all who helped.

72,
Kaye, K8GZ   Lancaster, OH

Date: Wed, 19 Jan 2000 08:45:48 -0800
From: Allan G Taylor <k7gt@aol.com>
To: qrp-l@lehigh.edu
Subject: [60757] HB: trade J310s for J309s
Message-ID: <3885EA3C.585F@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If someone has a few stray J309s, I would like to trade a few J310s
for them. 3 or 4 would be good.

73 Allan K7GT   k7gt@aol.com

Date: Wed, 19 Jan 2000 12:10:36 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [60758] EPS-1?????
Message-ID: <dd.4d6d79.25b74a0c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Have any of you tried the Essential Power Supply kit by EMBEDDED RESEARCH.If
so please provide me with your experience(s)

The EPS-1 was designed to accept a DC input voltage ranging from 2-12 volts,
and output 12 volts DC. The product description notes the EPS-1 is perfect
for running electronics equipment which requires 12 volts to operate, from
sources of less than 12 volts. For example, you could run a 12 volt light or
radio from a combination of 4 "D" cells (6v). The EPS-1 is capable of
supplying 12 volts DC at a current level of 0.5 Amps, over a voltage range of
4-12 volts DC.

It appears this would be suited for some of the smaller rigs to get max power
for the longest period of time while say backpacking????

BTW how does this affect the amp-hour rating for battery selection??

Alan KB7MBI

Date: Wed, 19 Jan 2000 09:18:59 -0800
From: Bill H Ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [60759] Re: Tuner ZM-2.
Message-ID: <20000119.092113.-383543.1.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Tue, 18 Jan 2000 22:22:51 -0800 Ed Loranger <we6w@netzero.net> writes:
> I'll try to explain my reasoning in a different way.
>
> We are saying nearly the same thing and I'm only going
> on about this because I want to clarify.

Hi Ed and gang:
So I guess what you are really saying is that the LED bridge circuit doesn't help you match your antenna to your rig, but only tells you when your antenna matches the ZM-2. You still need a reflected power meter to tell you when you have matched your antenna to your rig. Unless of course, you know a head of time that your rig's output circuit is exactly 50 ohms.
For that, you could hook up your MFJ 259 or RF-1 Auteck to the output of your rig (power off, of course) and measure your output impedance.
In the real world, a slight mismatch between rig and ZM-2 with a foot or so of coax between them, is no big deal, and, the guy at the other end (receiver) wouldn't even notice any difference in signal strength. Right?
73/72 & ZUT
Bill, K6MGO

Date: Wed, 19 Jan 2000 12:37:14 -0500
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-l@lehigh.edu
Subject: [60760] RE: HELP on UNK SMT transistors
Message-ID: <4.2.0.58.20000119123613.00aacce0@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

OK, so I goofed on the URL. It's:

         http://www.marsport.demon.co.uk/smd/smdcode.htm

without the trailing l. See what happens when you play with Unix
too much?

Laura Halliday VA3LDH   "Que les nuages soient notre pied
Grid: FN03gs   a terre..." - Hospital/Shafte

Date: Wed, 19 Jan 2000 09:47:38 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60761] Re:ZM-2 LED's and match indicating.
Message-ID: <3885F8B9.A4972631@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well gang, I've been convinced by some very sharp
individuals that indeed a WM-2 is also a 50 Ohm
indicator and perhaps when it is at minimum
reflected, that is a condition similar to the
ZM-2 where a mismatch error could exist
between the rig and the SWR indicator whether
it is a ZM-2 or a reflectometer etc.

The only thing I have to go on in my reasoning
is that I DO HAVE a field strength meter on my
wall that is passive and always indicates when
I transmit.

I get more signal measured when I tune to minimum
reflected on the WM-2 than when I tune the ZM-2
bridge. It is a small amount and like I said,
probably insignificant at 50 mW or so.

When I check the LED with the bridge inline under
these conditions, the led is slightly aglow when
tuning a non-resonant antenna (80 M dipole on 40M).

Whether this is a result of Transmit ALC or something
being affected, I don't know and I haven't set up
a constant power source to measure it.

So the issue remains a mystery I guess, as to why
the bridge is unbalanced at times when maximum
radiated power occurs.

I think I'm counting sand here since there is really
no justification or worry about the slight differences
of a fully extinguished or partly extinguished LED as
it realates to balancing the bridge.

My quest was more cerebral in search of the answer
to 'why'. Not that it was a problem :)

What a great discussion. Thanks all for your kind
remarks and excellent knowledge sharing. I hope
I wasn't too misleading though I now think my posts
were not up to standard. And real measurements!

Thanks agn. 72/Ed we6w
--
-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
 http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Wed, 19 Jan 2000 09:59:24 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60762] Foxhunt and Shack activities.
Message-ID: <3885FB7C.B5FDA9B6@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang, what a great fox hunt! After nabbing him
at 28 minutes into the hunt, I decide to hang
up the pelt.

But alas, the shack was a mess. And the dogs
somehow now have 2 blankets on the floor to
sleep on!

Yup, going to the dogs. So I started singing
my song that gets the shack cleat: "You touch
it, you put it away!"

One by one the coffee mugs, etc. lined up on the
available flat surfaces were exiled. Tools

put away, a drawer rededicated to organized spools
of wire and solder (with hidden stash of Payday
bars :) and a thorough sweeping.

With all the room I started sorting bags of
misc. parts.

Now I've got a big mess on the table again....

Ha!
--
-72/Ed WE6W; AR Millennium Q's=> 2479/2000 A-1 OP
 http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Wed, 19 Jan 2000 10:06:21 -0800
From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60763] Help!
Message-ID: <3885FD1D.313F66E4@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I am in need of a little help. I am currently in the process of
building the DSW 40.

Well I did it. I broke a toroid while winding it. 8 (The last part I
needed to install on the board. It is a t37-2. I tried all my local
electronic stores to no avail, so I scavenged one from my 38 Special.
Now I need to replace that one. Does anyone have one they would sell
me? I'll pay cost plus shipping. Thanks in advance.

Please reply directly to clray@usc.edu

de Casey
AD6DI

Date: Wed, 19 Jan 2000 11:16:20 -0700
From: Bruce Toback <btoback@optc.com>
To: <qrp-l@lehigh.edu>
Subject: [60764] Source for feedthrough caps?

Message-ID: <200001191936.MAA03872@landru.optc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Hi all,

Does anyone know of a source for feedthrough capacitors (low-voltage, not transmitting types)? My usual catalogs (DigiKey, Mouser, Newark) don't have them, though that's not surprising given the markets they serve. I'm looking for .001 or .01 uf, 50+ volt.

-- Bruce

Bruce Toback Tel: (602) 996-8601| My candle burns at both ends;
OPT, Inc. (800) 858-4507| It will not last the night;
11801 N. Tatum Blvd. Ste. 142 | But ah, my foes, and oh, my friends -
Phoenix AZ 85028 | It gives a lovely light.
btoback@optc.com | -- Edna St. Vincent Millay

Date: Wed, 19 Jan 2000 13:18:49 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "'cw@qth.net'" <cw@qth.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [60765] CW Traffic Nets:
Message-ID: <38860008.163D43BA@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks:
Thanks for the URLs and the info regarding the net frequencies and times.Found most of the nets that I used to frequent.I also ordered the Net Directory from the ARRL,my 1993 issue was out of date of course.Again thanks for the help.
Fred
VE3FAL

Date: Wed, 19 Jan 2000 09:23:31 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [60766] PROP: Testing the Waters on 10 meters from Alaska - 1805Z
Message-ID: <38860123.CC437BE7@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Anchorage!

I was shocked this morning. I had no idea that there would be signals on 10 meters by 1805Z. I checked at 1700Z and there were only six local birdies...now charted and recorded.

But at 1805Z I can hear:

Good sigs: IL, IN, OH, Ottawa
Wk sigs: maybe a 229 or a bit less but I copied calls: TX and MT.

Very interesting.

I am going to check hourly today just for fun and maybe to plot when best times are for QRPp contacts. That was fun working NA1XX, Mike, in MA yesterday with his 400 mW.

PROP: Last email update:
SFI=195 | A=2 | K=1 up from 0 at 1500 on 19 January. SAF: low to moderate, GMF:
quiet to active   Aurora Level: 3   More:
http://hfradio.org/propagation.html

I suspect the Aurora Level of 3 is helping, also.

More later.

Jim
--
73, Jim Larsen, AL7FS   http://www.qsl.net/al7fs/
Anchorage, Alaska   mailto:al7fs@qsl.net
ICQ 11022915 (Info at http://www.icq.com/)

Date: Wed, 19 Jan 2000 12:27:00 -0600
From: Richard Matthews <prm@hiwaay.net>
To: clray@usc.edu, qrp-l@lehigh.edu
Subject: [60767] Re: Help!
Message-ID: <3.0.1.32.20000119122700.00b94a60@hiwaay.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Casey,

I'm betting that Dave, at SWL will send you one. Why don't you ask him

Richard, WA4NWW thinking Casey must have wound his toroids mighty tight

At 10:06 AM 1/19/00 -0800, you wrote:
>Hello,
>
>I am in need of a little help. I am currently in the process of
>building the DSW 40.
>
>Well I did it. I broke a toroid while winding it. 8 (The last part I
>needed to install on the board. It is a t37-2. I tried all my local
>electronic stores to no avail, so I scavenged one from my 38 Special.
>Now I need to replace that one. Does anyone have one they would sell
>me? I'll pay cost plus shipping. Thanks in advance.
>
>Please reply directly to clray@usc.edu
>
>de Casey
>AD6DI
>
>

Date: Wed, 19 Jan 2000 20:32:51 +0200
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: k6mgo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60768] Re: Tuner ZM-2.
Message-ID: <38860353.2AF9@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bill H Ross wrote:
> course, you know a head of time that your rig's output circuit is exactly
> 50 ohms.
> For that, you could hook up your MFJ 259 or RF-1 Auteck to the output of
> your rig (power off, of course) and measure your output impedance.
> In the real world, a slight mismatch between rig and ZM-2 with a foot or
> so of coax between them, is no big deal, and, the guy at the other end

> (receiver) wouldn't even notice any difference in signal strength. Right?

Bill and other interested readers,

I would be interested to see the results of the proposed measurements, but I'm sorry to say that I have little confidence that they will produce anything useful (in the way of a real output impedance).

Looking into a PA that's not working, what do you see: A low-pass filter and behind that a transistor that's not conducting plus perhaps a zener diode probably biased to the supply voltage plus the input of the receiver through the TX/RX switch circuitry.

When the TX IS producing RF it's all very different, the PA device is on, but only part of the time (class C) etc. etc. You just destroyed your instrument ....

So what is it exactly you measure when looking into the TX PA?

The so-called 'output impedance' of a TX is what it is designed for, what it needs to see to work 'best'. It's not the output impedance of network theory. Compare to an audio Hi-Fi amp. It has a very low output impedance (maybe one tenth of an Ohm), but it may be specified as having an output impedance of 4-8 Ohm. If you would vary the load impedance, the output voltage of this audio amp. won't change much (-> low output imp.).

Now going back to the RF TX, AFAIK, the PA output impedance doesn't enter in the matching problem at all. It's just the source of power that we hope it will deliver and if we have a match, the line is flat and there is relected power between tuner and PA that could muddle things.

SWR bridges are designed for a certain impedance and that's what they decide the SWR by. The WM-1/2 has two 51 Ohm resistors in the directive coupler with the two ferrite cores. Why 51 Ohm? Why not 56 Ohm or even 220 Ohm?

A resistive bridge like the one in the ZM-2 tuner, is much easier to understand than the WM-1/2 type of instrument. When it's made for 50 Ohms, you can't balance it with anything else than 50 Ohm as the load, or in other words, you can't match to anything else than 50 Ohm using this bridge and a 'tuner'.

Once the antenna system (antenna+tuner) is matched it presents a resistive 50 Ohm load to the rig and the line is flat. If another meter or bridge (designed and aligned for 50 Ohm) shows otherwise there is a problem with the instrument/measurement.

Just my 0,02$ worth, though.

Shoot me, but perhaps you should read 'Reflections' by Walter Maxwell
first. Maybe I should have said that at the top and not write any of the
other stuff ...

73,
--
Arjen Raateland
OH2ZAZ

Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Wed, 19 Jan 2000 09:36:06 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [60769] PROP: 1805Z(Corrected) Testing the Waters on 10 meters from
Alaska
Message-ID: <38860416.7FBC61B3@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Anchorage!

I was shocked this morning. I had no idea that there would be signals
on 10 meters by 1805Z. I checked at 1700Z and there were only six local
birdies...now charted and recorded.

But at 1805Z I can hear:

Good sigs: IL, IN, OH, Ottawa
Wk sigs: maybe a 229 or a bit less but I copied calls: TX and MT.

Very interesting.

I am going to check hourly today just for fun and maybe to plot when
best times are for QRPp contacts. That was fun working NA1XX, Mike, in
MA yesterday with his 400 mW.

PROP: Last email update:
SFI=195 | A=2 | K=2 up from 1 at 1800 on 19 January. SAF: low to
moderate, GMF:

quiet to active
Aurora Level: 1
More: http://hfradio.org/propagation.html

I suspect the Aurora Level of 1(corrected/updated) is helping, also. I think this is the first time I recall seeing a level of 1. Could be a fun day.

More later.

Jim
--
Jim Larsen, AL7FS   http://www.qsl.net/al7fs/
Anchorage, Alaska   mailto:al7fs@qsl.net
ICQ 11022915   (ICQ info at http://www.icq.com/)

Date: Thu, 20 Jan 2000 00:30:37 -0600
From: Tim Ahrens <tahrens@hilconet.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60770] Re: Check out "Stormy Seas Other Stuff"
Message-ID: <3886AB8D.E093D56C@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Alan - since you didn't put the -required disclaimer- to the message, I take it that you are a goat roper! ;-) hehe

cu in the cold

Tim W5FN

ARDUJENSKI@aol.com wrote:
>
> Click Here: <A HREF="http://www.STORMYSEAS.com/other.html">Stormy Seas Other
> Stuff</A> and go to ITEM GRO50. This GOAT ROPER polarfleece hat comes with a
> headphone inside. No serious FYBO operator would be without one (smile). I
> got one a few years ago and it works great.
> Alan KB7MBI

Date: Wed, 19 Jan 2000 13:44:15 -0500
From: Gregory Lawrence <gwl1@cornell.edu>
To: qrp-l@lehigh.edu
Subject: [60771] Scanning articles and posting to WWW might bring trouble
Message-ID: <4.1.20000119132459.00b53e00@postoffice.mail.cornell.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All:

I was eating lunch at my desk and just looked at WA3REY's post about putting an article from Ham Radio up on the Web. Sorry Tom, I don't mean to criticize your good will, but I suspect this a violation of copyright. I'm not an armchair lawyer, but as a librarian who helps negotiate access contracts with on-line journal vendors, I'm very conscious of how sensitive publishers are to theft or misuse of their magazine content. Ham Radio might not be on the newsstand today, but I believe someone still owns the copyright to the magazine. Copying their articles and posting them to the Internet might be an invitation to unanticipated aggravation.

It is an interesting article, and if anyone wants a copy, I suggest they use their library. Libraries are very willing to get it for you via interlibrary loan (a long standing, accepted practice tolerated by publishers.) It just takes a little longer :-)

My 2 cents.....

72/73

gregL W2JWM

Gregory Lawrence 607.255.3242
Government Information Librarian 607.255.0318 (fax)
Albert R. Mann Library GWL1@cornell.edu
Cornell University
Ithaca, NY 14853

In our libraries democracy is being reborn.

Date: Wed, 19 Jan 2000 12:44:18 -0600
From: Richard Matthews <prm@hiwaay.net>
To: qrp-l@lehigh.edu
Subject: [60772] ZM-2 discussion

Message-ID: <3.0.1.32.20000119124418.009cbc80@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I quess I'm the party that started the ZM-2 discussion by asking if I should expect to always extinguish the LED on my ZM-2 and I have enjoyed all the learned discussion and thanks to those who contributed, but I have to admit that I don't really understand most of what was said. Either way I'll leave it in line and try to extinguish the LED before operating . . . . why not? I like the turning of knobs and the glow of the LED reminds me of the glow of the 6146 final tube filiment in my novice XMTR . . . .plus there is always the power of positive thinking, if I think it's helping my transmitted milliwatts, then it must be helping my transmitted milliwatts:-)

72,

Richard WA4NWW

Date: Wed, 19 Jan 2000 12:56:30 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'gwl1@cornell.edu'" <gwl1@cornell.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60773] RE: Scanning articles and posting to WWW might bring trouble
Message-ID: <2D343922E283D211945C0008C7A41B2A01A7433D@adntex01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Could the copyright have expired by now?

Just how long does a copyright last?

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Gregory Lawrence [mailto:gwl1@cornell.edu]
Sent: Wednesday, January 19, 2000 12:44 PM
To: Low Power Amateur Radio Discussion
Subject: Scanning articles and posting to WWW might bring trouble

Hi All:

I was eating lunch at my desk and just looked at WA3REY's post about putting an article from Ham Radio up on the Web. Sorry Tom, I don't mean to

criticize your good will, but I suspect this a violation of copyright. I'm not an armchair lawyer, but as a librarian who helps negotiate access contracts with on-line journal vendors, I'm very conscious of how sensitive publishers are to theft or misuse of their magazine content. Ham Radio might not be on the newsstand today, but I believe someone still owns the copyright to the magazine. Copying their articles and posting them to the Internet might be an invitation to unanticipated aggravation.

It is an interesting article, and if anyone wants a copy, I suggest they use their library. Libraries are very willing to get it for you via interlibrary loan (a long standing, accepted practice tolerated by publishers.) It just takes a little longer :-)

My 2 cents.....

72/73

gregL   W2JWM

Gregory Lawrence   607.255.3242
Government Information Librarian   607.255.0318 (fax)
Albert R. Mann Library   GWL1@cornell.edu
Cornell University
Ithaca, NY 14853

     In our libraries democracy is being reborn.

Date: Wed, 19 Jan 100 13:59:02 -0500 (GMT+5)
From: wd9eyb@butler.indiana.net
To: qrp-l@lehigh.edu (QRP List)
Subject: [60774] AD8361 - Neat Chip?
Message-ID: <200001191859.NAA30474@butler.indiana.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Is the AD8361 a neat chip?
http://www.analog.com/TruPwr/
Has anyone used one yet?

Jim, WD9EYB

Date: Wed, 19 Jan 2000 11:04:27 -0800
From: Jim Lowman <jmlowman@ix.netcom.com>
To: gustoff@access1.net, qrp-l@lehigh.edu
Subject: [60775] Re: Pacificon dates/logistics?????
Message-ID: <38860ABB.AEC654C6@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MGTGAZ wrote:
>
> Any info on this years event yet? Is there a web page for the event?

Mount Diablo ARC (MDARC) sponsors Pacificon, and their website is at:

http://www.mdarc.org/pac99_1.html

for the Pacificon announcements.

Nothing at this time, except to say that Pacificon 2000 will be held
in October. In 1999, it was held about mid-October, and has been at
the Sheraton Hotel in Concord for the past couple of years.

I wouldn't expect to see any specifics until after the Ft. Tuthill
Hamfest in July.

72 de Jim - AD6CW

Date: Wed, 19 Jan 2000 10:04:55 -0800
From: "Arthur G. Silvers" <ags@ieee.org>
To: Ed Loranger <we6w@netzero.net>
Cc: prm@hiwaay.net, qrp-l <qrp-l@Lehigh.EDU>
Subject: [60776] Re: Tuner ZM-2.
Message-ID: <3885FCC7.CEB07BD3@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

Well something is definitely going on to cause the WM-2 to read a
reflected wave when the ZM-2 LED is extinguished. So, I shall risk the
"slings and arrows" of error for the sake of good natured intellectual
exchange.

It could very well be that I am oversimplifying. 8~S. But for the sake of argument, lets look at what may be happening on the transmission line. If a perfect match exists between a transmission line and the terminating load, then there is no reflected wave and the impedance is the same everywhere on the line and equal to the characteristic impedance of the line. On the other hand, a mismatch will cause a reflected wave to exist everywhere before the load subject to attenuation. This will result in standing waves along the line and the impedance will appear to vary along the line from the load to the source. Neglecting attenuation, the pattern of variation will repeat for every line segment length equal to a wavelength. Theoretically, at points of maximum current along the line, there appears to be a perfect match between a 50 ohm source and a 50 ohm line when, in fact, we know that standing waves still exist. That is why, for single frequency use, we can trim a transmission line so that it acts like an impedance transformer to compensate for a mismatch at the load. Could it be that the ZM-2 is located at one of these points working in a "straight through" mode thus extinguishing the LED while not removing the reflected wave? If this is true then there may be other settings of the ZM-2 variables which would in fact both extinguish the LED and remove the reflected wave.

Another question I have, and this is something I really need to think hard about. 8~|, is how does an impedance mismatch manifest itself at points beyond the mismatch. Certainly, a reflected wave will appear at points before the mismatch. Is not the transmitted wave the net difference between the incident and reflected waves and is it not simply a weaker version of the incident wave? And if standing waves exist beyond the mismatch, how could they be caused by the pre incident mismatch? Imho, and here is where I am really going out on a limb, standing waves can only exist before the impedance mismatch which causes the reflected wave unless there are subsequent mismatches to cause them.

Anyway, I'm not trying to embarrass anyone or prove them wrong. I'm only trying to better understand, and help others understand, the physical phenomena that have intrigued me for most of my life. Isn't it great that we can blow our horns on this list without risking our livelihoods? 8~)

72s, 73s
Arth W6AGS

Date: Wed, 19 Jan 2000 14:36:59 EST
From: K5KW@aol.com
To: qrp-l@lehigh.edu

Subject: [60777] Red Hot Radios - RH 40 and RH NorCal 20 - Tips/Review (Lengthy)
Message-ID: <7b.b29e89.25b76c5b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

I'm posting some construction tips and this review, after a little good-natured nagging from Jay, W5JAY. I trust that others will benefit from my klutzy ham-handed approach to building both the Red Hot NorCal 20 transceiver and the brand new Red Hot 40.

Not being prone to read and fully digest instructions before plunging into any project, I caused myself numerous delays and plenty of grief. (If you have to read the instructions, it's too complicated..right??) However, the "test-each-stage-as-you-complete-it" approach by designer Dave Fifield kept me out of serious trouble, and led to two excellent, working units.

The RH NorCal 20 was built first, because Red Hot Radio was not quite ready to ship the 40 meter version yet. Everything went smoothly at first, except for my having to remove and relocate some components because I was careless about identifying their exact location using the parts overlay provided.

TIP: Go slow and be sure you plug the part in the right hole. (Desoldering a component from a plated-through board without destroying the component or the board trace can be difficult. I can verify that. Dave warns about this but, of course, I didn't heed the warning.)

Just as I was finishing the RH NC 20 and about to perform the final step in construction (setting the desired transmit frequency offset) the RH 40 arrived in the mail. Scanning the instructions for it, I noticed the mention of something new in the instructions...you could key test point "K" to ground for use with a hand key. I hurriedly tested that with the almost-finished 20 meter version, and it worked...until I unintentionally plugged a test lead into test point "T" which is located a fraction of an inch about test point "K". I looked away, and when I gazed back at the radio, smoke was boiling out of it! A quick check out revealed that it was locked in was now locked in key-down transmit mode and the VFO read-out was way off frequency. Disappointed, I set the fried RH NC 20 aside and started construction of the RH 40.

While building the RH40, and thinking about the fried RH NC 20, I contacted Fifield by e-mail to obtain his legendary assistance with construction problems. At that time, Dave was down with the flu and begged a day or two to get back on his feet before responding. Meantime, I was commiserating over whether to just go ahead and send the RH NC 20 back to Dave for his "get it going" service. But, in a QSO with Clif, AB5UA, (during a break from

building) Clif encouraged me to fix it myself and learn something. (What a novel idea!!) Replacing only Q20, which I could see was definitely burned up, put the radio right back up and running again. It was a simple as that. (Thanks, Clif.) The transmit frequency offset step was then performed, and the radio was placed on the air. It consistently got strong signal reports and nice comments about it's clean, clear cw note. So, back to constructing the RH 40.

By now I had promised myself to take my time, read ALL the steps in advance before starting construction of each stage, and be very careful about identifying each component and its board location, just as Fifield suggests. (Yes, those tips are right there in the instructions!) The board for the 40 meter version is, in my opinion, easier to work with than the one for the RH 20. Resistor and capacitor locations use the same circular symbol on the RH 20 board, but the capacitor symbol on the RH 40 board uses a rectangle; which kept me from confusing, for example, whether R29 or C29 went in that particular spot. No disaster with construction of this one. It performed well immediately after I finished it. (Worked QRP station F8AVE with the Red Hot 40 and got a 579 report from near Nice, France, with 5 watts to my dipole on 40 meters. It just doesn't get any better than that!!)

Positive Conclusion: Fifield has designed two excellent radios at a very good price. The receivers in each are amazing, and are every bit as good as the receiver in my Ten Tec Paragon. Bandspread tuning is more than adequate. The built-in TiCK keyer is convenient, and break-in keying is very smooth and seemless; no thumps or clicks. Both radios have a transmit output in excess of 5 watts. Both get rave reviews for their sweet cw note.

Negative Conclusion: The RH 40's VFO drift, even after warm-up, is considerably greater than the RH NC 20. Fifield aludes to drift kproblems in the construction manual for the RH 40. The VFO toroid in both radios is held in place by the toroid being sandwiched between two fiber washers with a plastic screw through the middle. Drift after warm-up with the RH NC 20 was fairly close to specs with three-hour frequency counter tests I ran on each. Drift with the RH 40 became acceptable after I further loosened the nut on the screw securing the VFO toroid, as Dave suggests. Still, I believe a little tinkering with VFO capacitor types might lower the drift even more. It is best to let both radios warm up for an hour or so before use; the VFO's settle down nicely after that.

72,

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

Date: Wed, 19 Jan 2000 13:38:06 -0600
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'KKanalz@excel.com'" <KKanalz@excel.com>, "',qrp-l@lehigh.edu'"
<>,
Subject: [60778] RE: Scanning articles and posting to WWW might bring trouble
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8736@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Guys - -

I'm not a lawyer, but my understanding is that copyright never expires.
It's not strictly a license like a trademark. The CQ Magazine =
publisher
bought out Ham Radio to ease their competition, so they'd be the ones =
to
talk to about permission to post the article in question on the =
internet. I
don't believe they're republishing any of the old Ham Radio material, =
so
they might be willing to allow someone to post it.

72's es 73's,

Brad, W5CGH

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Brad Bradfield, PE W5CGH Test Staff Engineer
(ex WB=D8CGH) SpectraPoint Wireless LLC

Real men talk with their fingers!

NORTEX NORCAL QRP-L #377
SMIRK #4906 QRP-ARCI # ARS #72
Austin QRP Club #i Alaska QRP Club #350

Date: Wed, 19 Jan 2000 13:44:37 -0600
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [60779] RE: Scanning articles and posting to WWW might bring trouble
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA023D8737@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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>=20
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publisher
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to
> talk to about permission to post the article in question on the =
internet.
> I don't believe they're republishing any of the old Ham Radio =
material, so
> they might be willing to allow someone to post it.
>=20
> 72's es 73's,
>=20
> Brad, W5CGH
>=20
> =
=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=
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=3D=3D=3D=3D
>=20
> Brad Bradfield, PE   W5CGH   Test Staff Engineer
> (ex WB=D8CGH)   SpectraPoint Wireless LLC
>=20
> Real men talk with their fingers!
>=20
> NORTEX   NORCAL   QRP-L #377
> SMIRK #4906   QRP-ARCI #   ARS   #72
> Austin QRP Club #i   Alaska QRP Club #350
>=20
>=20

Date: Wed, 19 Jan 2000 12:49:30 -0700 (MST)

From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [60780] Info on PacifiCon, Atlanticon, etc.
Message-ID: <Pine.SUN.4.10.10001191225390.18672-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
There's been some questions on qrp-l lately about the dates of select QRP gatherings. Since I have been invited to most of them, I do have the dates and info, at least as it was emailed to me. So I submit the following info for those who wish to plan ahead, with the hopes it is reasonably correct.

MARCH 24-26 ... ATLANTICON. This is being held this year in Philadelphia and hosted by the NJQRP with an impressive lineup of world reknown QRPers and fellow Y2K survivors. For more info, see the NJQRP website (sorry, www not at hand) or contact George Heron at: n2apb@erols.com

Unfortunately, I am not able to attend AtlantiCon this year due to a work trip, but hope to be there next year.

MAY?? ..... FDIM at Dayton, sponsored by ARCI. Info on their website, www.qrparci.org or I suppose on QRP-F.

APRIL 8th ..... ARKIECON, more commonly known at the FT. SMITH HAMFEST, Ft. Smith, Arkansas. I will be attending this one, and have no idea who actually sponsors it :-) But for more information, contact Jay Bromley at: w5jay@alltel.net Jay has an impressive lineup of speakers for this one as well, and bound to be lots of fun too.

JUNE?? ..... HAMCOM (Dallas, Texas), or more precisely, held in the Arlington Convention Center. Details will be posted to qrp-l as we get closer.

JULY?? ..... FT. TUTHILL (Flagstaff, Arizona). This is one of the regions largest hamfests, and the QRP activities are sponsored by the Arizona ScQRPions, who have consistently put on a dynamite job. I think it's the 3rd weekend in July, but not sure. Details will be posted as we get a bit closer. Can't imagine what it would take for me to miss this one.

OCT. 20-22 .... PACIFICON (Concord, CA). This is another large hamfest, for which the QRP activities and half the public forums are sponsored by NorCal. It will be held again this year

in the Concord Sheraton. I mention this, because last year, there was a rumor it may be moved back to the Concord Hilton, which I was informed will remain at the Sheraton. Not much details on this years events, except I know Tony Fishpool and Graham Firth from G-QRP are planning on attending, as will I. Few details yet, but you can at least mark your calendar and know the hotel.

Those are the ones I'm aware of. I really do encourage all QRPers to make at attempt to attend one of the above mentioned QRP gatherings, or others as they may be announced on qrp-l. It is a bunch of fun and an experience difficult to describe until you've been to one, or two, or ??? They really are worth the several hours driving time and expense if you can at all afford it.

72, Paul NA5N

Date: Wed, 19 Jan 2000 12:51:00 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60781] RE: Scanning articles and posting to WWW might bring trouble
Message-ID: <Pine.BSI.3.96.1000119124814.15506A-100000@usr06.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Jan 2000, Bradfield, Brad V. wrote:

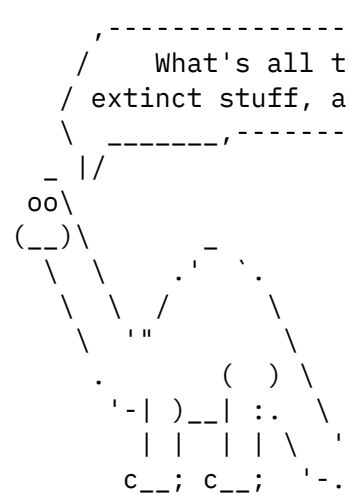
>
> Guys - -
>
> I'm not a lawyer, but my understanding is that copyright never expires.
> It's not strictly a license like a trademark. The CQ Magazine publisher
> bought out Ham Radio to ease their competition, so they'd be the ones to
> talk to about permission to post the article in question on the internet.
> I don't believe they're republishing any of the old Ham Radio material,
> so they might be willing to allow someone to post it.
>

Actually, the ARRL now owns all of that, or so it would seem since they just bought out Communications Quarterly. I guess they intend to merge the CommQuart material with QEX.

Also, copyrights do not necessarily last forever, but they can be

renewed, unlike patents.

Chris



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Wed, 19 Jan 2000 14:54:21 -0500
From: "Tom Hybiske" <hybiske@generalatronics.com>
To: <wd9eyb@butler.indiana.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60782] Re: AD8361 - Neat Chip?
Message-ID: <012701bf62b6$fac44580$7368f326@GACNT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim,

Yes it is, and no I haven't, but I have a sample and a workbook on order. I'm not sure when I'll get around to doing the circuit, but when I do I'll report back to the group. This looks like a super device to use for QRP power readings. Remember though that this chip is small, really small, at approximately an 1/8 of an inch square (.122 x .193) with pins less than 1/32 of an inch apart (.025). I plan to use it dead bug style and bend

every other pin up. Another consideration is converting or displaying the output voltage as a convenient power reading. I'm thinking of marking up the face of a large meter and maybe use a voltage to current IC. Do have any ideas on how we could apply this device to QRP?

7 3,

Tom K3GM
http://members.home.com/biskit218/thomas_j.htm

> Is the AD8361 a neat chip?
> http://www.analog.com/TruPwr/
> Has anyone used one yet?
>
> Jim, WD9EYB

Date: Wed, 19 Jan 2000 11:57:16 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-l@lehigh.edu
Subject: [60783] Ft. Tuthill Dates?
Message-ID: <Pine.BSF.4.21.0001191149430.811-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

    Sorry to interrupt the copyright angst in progress, but I'm making vacation plans for the year and would like to know what the dates are for this year's Ft. Tuthill fest. Can anyone provide this plus camping info?

Thanks & 73,
Bob - W3CD

Date: Wed, 19 Jan 2000 10:58:19 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [60784] PROP: 1930Z - Testing the Waters on 10 meters from Alaska
Message-ID: <3886175B.6E3D9EDF@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just finished my 1930Z check:

Beacons copied from Anchorage (means strong enough for a good QSO):
>From lowest freq. to highest...

Ottawa (S9), MB, Quebec, BC, PA, NJ, PA, IL, IN, WV, NJ, NB (VE1), NY,
MT, WI, VA, Toronto, PA, TX(Austin), NY, TX(Corpus Christi), IL, MD

Not bad. Maybe I should call CQ or something equally silly on 28.061.

Jim
--
Jim Larsen, AL7FS   http://www.qsl.net/al7fs/
Anchorage, Alaska   mailto:al7fs@qsl.net
ICQ 11022915   (ICQ info at http://www.icq.com/)

Date: Wed, 19 Jan 2000 20:03:13 +0000
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [60785] BCN: My 10 Meter "Heard" List
Message-ID: <20000119.200317.-77889.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

NOTE: View this with a font like "System" or Roman Fixed Width to line up
the columns. There's no tabs in the text...Keith

****
10-Meter Beacons "Heard" List
>From the Depths of the Great Bergen Swamp:
Bergen, NY 14416, Grid Square: FN13ac
Updated: 19 Jan 2000

These are the beacons I have actually HEARD rather than what has been

listed in the past, The antennae here are an assortment of wires for 80 - 10 Meters including a wire ground plane for 10 Meters.

Locations are C/O WJ5O's list and other sources via Email. Grids are based on what I copied, and are missing if I forgot to write them down!

The list will be updated whenever I get a chance, or hear a REALLY good one!

FREQ.	CALL	LOCATION	GRID SQUARE
28.175	VE3TEN	OTTAWA	FN25
28.186	ZS6PW	PRETORIA	
28.193	LU2FFV	SAN JORGE	
28.193	VE4ARM	AUSTIN,MB	
28.197	VE7MTY	PITT MEADOWS, BC	CN89
28.199	LU1FHH	SANTA FE, ARG	
28.200	NCDXF/IARU Beacon Network (See below)		
28.204	K6LLL	LAGUNA BEACH, CA	
28.205	S55ZRS	MT. KUM, SLOVENIA(?)	JN76mc
28.204	DL0IGI	BAD REICHENHALL	
28.211	LA4TEN	SOTRA I.	JP20lg
28.215	GB3RAL	SLOUGH, BERKSHIRE	IO91sn
28.215	KA9SZX	CHAMPAIGN, IL	
28.220	KB9DJA	MOORESVILLE, IN	
28.221	W6TOD	RIDGECREST, CA	DM15
28.222	HG5GEW	TAPOLCA HUNGARY	
28.225	KW7Y	EVERETT, WA	
28.231	KQ4TG	LELAND, NC	
28.232	W7JPI	SONOITA, AZ	
28.233	KD4EC	JUPITER, FL	
28.235	VE1CBZ	FREDERICTON, NB	FN67
28.236	N9RET	RIVERSIDE, IL	
28.238	LA5TEN	NR OSLO NORWAY	
28.241	AB8Z	PARMA, OH	
28.241	VA3SBB	THUNDER BAY, ONT	
28.242	VE9MS	FREDERICTON, NB	
28.244	WA6APQ	LONG BEACH, CA	
28.244	VE9BEA	CRABBE MTN , NB	FN98
28.245	F5TMJ	FRANCE	JN03sm
28.249	N7LT	BOZEMAN, MT	
28.250	EA3JA	BARCELONA, SPAIN	
28.250	Z21ANB	BULAWAYO, ZIMBABWE	
28.250	WJ9Z	SAINT FRANCIS, WI	
28.254	W4STT	HASTINGS, FL	
28.255	N0AR	ST PAUL, MN	

28.256	K5PF	CARY, NC	
28.257	DK0TEN	KONSTANZ	JN47ne
28.262	VK2RSY	SYDNEY, NSW	
28.265	WC9C	PIMENTO, IN	
28.267	OH9TEN	PIRTTIKOSKI	KP36oi
28.271	KF4MS	ST PETERSBURG, FL	
28.272	KN5H	LAS CRUCES, NM	
28.275	NR0NR	DENVER, CO	
28.275	ZS1LA	STILL BAY	
28.277	DF0AAB	KIEL	
28.280	K5AB	AUSTIN, TX	EM10
28.280	NO6J	THOUSAND OAKS, CA	
28.2825	N7GSU	McMINNVILLE, OREGON	
28.2825	OK0EG	HRADEC KRALOVE	
28.284	VP8ADE	ANTARCTICA	
28.285	W7IEW	OLYMPIA, WA	
28.286	KK4M	LAS VEGAS, NEV	
28.286	N5AQM	CHANDLER, AZ	DM43
28.287	NQ2RP	CHURCHVILLE, NY	FN13bb
28.289	WJ5O	CORPUS CHRISTI, TX	
28.290	SK5TEN	STRENGNES, SWEDEN	
28.2905	WB4WOR	GREENSBORO, NC	
28.291	K7PYS	EUGENE, OR	
28.291	K9KXP	COLLINSVILLE, IL	
28.295	W3VD	APL LAB, MD	FM19ne
28.295	SK2TEN	SWEDEN	
28.296	W3VD	LAUREL, MD	
28.297	ND0DX	FARGO, ND	

NCDXF/IARU International Beacon Network

28.200	4U1UN	UNITED NATIONS
28.200	VE8AT	CANADA
28.200	W6WX	SAN JOSE, CA
28.200	KH6WO	HONOLULU, HI
28.200	ZS6DN	WINGATE PK S. AFRICA
28.200	5Z4B	KENYA, AFRICA
28.200	4X6TU	TEL AVIV
28.200	OH2B	ESPOO, FINLAND
28.200	CS3B	MADEIRA IS
28.200	LU4AA	ARGENTINA
28.200	OA4B	PERU
28.200	YV5B	CARACAS, VEN

I know that there are more of the NCDXF/IARU Beacons out there, but
I have not heard them as of yet. I'll list them as I hear them.

72/73, Keith, WB2VUO, Trustee of the NQ2RP/B 10 Meter beacon
"My night light runs more power than my Rig!!!"

Date: Wed, 19 Jan 2000 15:07:47 EST
From: K5KW@aol.com
To: qrp-l@lehigh.edu
Subject: [60786] Ft. Tuthill???
Message-ID: <a.640656.25b77393@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Soneone...

Where in the cat-hair is Ft. Tuthill? Been hearing about it since I've been perusing this list, but don't have a clue as to its location.

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

Date: Wed, 19 Jan 2000 14:02:26 -0600
From: Dick Carroll <dixie@townsqr.com>
To: ctrask@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [60787] Re: Scanning articles and posting to WWW might bring trouble
Message-ID: <38861852.9A5792E5@townsqr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

According to an r.r.a.p posting by Jon Bloom of ARRL HQ,
the ARRL did NOT buy the Ham Radio magazine archives, but
only bought Communicatios Quarterly Magazine.

73, Dick W0EX

Chris Trask wrote:
>
> On Wed, 19 Jan 2000, Bradfield, Brad V. wrote:
>
> >
> > Guys - -
> >
> > I'm not a lawyer, but my understanding is that copyright never expires.
> > It's not strictly a license like a trademark. The CQ Magazine publisher
> > bought out Ham Radio to ease their competition, so they'd be the ones to
> > talk to about permission to post the article in question on the internet.
> > I don't believe they're republishing any of the old Ham Radio material,
> > so they might be willing to allow someone to post it.
> >
>
>   Actually, the ARRL now owns all of that, or so it would seem since
> they just bought out Communications Quarterly. I guess they intend to
> merge the CommQuart material with QEX.
>
>   Also, copyrights do not necessarily last forever, but they can be
> renewed, unlike patents.
>
> Chris
>
>   ,----------------------.   High Performance Mixers and
>   /   What's all this   \   Amplifiers for RF Communications
>   / extinct stuff, anyhow? /
>   \ _______,--------------'   Chris Trask / N7ZWY
>   _ |/   Principal Engineer
> oo\   Sonoran Radio Research
> (__)\   _   P.O. Box 25240
>   \ \   .' `.   Tempe, Arizona 85285-5240
>   \ \ /   \
>   \ '"   \   Technical Editor,
>   .   ( ) \   QRP Quarterly
>   '-|)__| :. \   QRP ARCI 9464
> | | | | \ '.
>   c__; c__; '-..'>.__   Email: ctrask@primenet.com
>   http://www.primenet.com/~ctrask
>
>   Graphics by Loek Frederiks

Date: Wed, 19 Jan 2000 15:10:23 EST
From: K5KW@aol.com
To: qrp-l@lehigh.edu

Subject: [60788] Disregard Ft. Tuthill query.
Message-ID: <7b.b24719.25b7742f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dang,

If I had just waited five minutes I would have received Paul Harden's excellent posting listing upcoming QRP Fests and their locations, including Ft. Tuthill. Now I know.

72,

Don, K5KW

"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart of the Morris-Boynton metroplex of east central Oklahoma, where every day is a sunny day".

Date: Wed, 19 Jan 2000 12:26:25 -0800
From: "Harsha K" <bravado@angelfire.com>
To: qrp-l@Lehigh.EDU
Subject: [60789] MFJ-931 - any info requested
Message-ID: <BKENIDHHIHJFAAAA@angelfire.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

Greetings,

I work my rig from my 3rd floor apartment and someone on the air, suggested I look into the MFJ-931 artificial ground device. If anyone here has used it or has some info/suggestions on it, could you please email me ? Also, does it work well with any type of antenna (end-fed long wire or dipole or vertical) ? I look forward to hearing from you.

Thanks and 73s,
Harsha

KK7VI

Date: Wed, 19 Jan 2000 11:27:58 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [60790] PROP: Prop Numbers With Respect to Alaska contacts
Message-ID: <38861E4E.6EE8E774@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had a private email that made a good point. It said, "I'm not
surprised it's open... look at these PROP numbers!!!"

Solar-terrestrial indices for 18 January follow.
> Solar flux 195 and Boulder A-index 2.
> The Boulder K-index at 1800 UT on 19 January was 2 (16 nT).

Prop numbers are good as far as they go. Give me an aurora number of 9
or 10 with an SF of 210 and I might not even hear many signals on 10
meters. Northern latitudes are really great for absorption stuff that
Paul Harden keeps telling me about. Ask WA5WHN, Jay, what he heard up
here when he visited my QTH. Made a believer out of him.

So up here I need high Solar Flux AND low aurora to get good signals on
10. The lower the better although I certainly get good signals at aurora
levels of 6 or 7.   And interesting to me is the fact that, for example,
during the Michigan QRP Contest this past weekend, I had signals on 10
meters but essentially none on 20 or 15 meters. I was able to make 56 Qs
on 10 and none on 15 or 20 meters.

I used to think the MUF slowly climbed up to 10 meters and all below it
worked. NOT in Alaska!

Fun, huh? :-)

73, Jim
Jim Larsen, AL7FS   http://www.qsl.net/al7fs/
Anchorage, Alaska   mailto:al7fs@qsl.net
ICQ 11022915   (ICQ info at http://www.icq.com/)

Date: Wed, 19 Jan 2000 13:28:23 -0700
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60791] Ham Radio Magazine

Message-ID: <4.2.0.58.20000119132359.009dbb10@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks for your message at 01:38 PM 1/19/00 -0600, Brad V. Bradfield which
read as follows:

>   The CQ Magazine publisher
>bought out Ham Radio to ease their competition, so they'd be the ones to
>talk to about permission to post the article in question on the internet. I
>don't believe they're republishing any of the old Ham Radio material, so
>they might be willing to allow someone to post it.

Further to what Brad W5CGH wrote, I recently received an e-mail from CQ
Magazine that states the long awaited Ham Radio cd archive should be
available this Spring. Yahoo!

73,

Pat Byers, VE6AAN
Lacombe, AB

Date: Wed, 19 Jan 2000 12:29:37 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60792] 38S Power Mod
Message-ID: <20000119202937.22442.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

OK I am a few years behind, but on my to do list is to
add some power to my 38S, still in breadboard form. I
have been collecting ideas, but what is the best
recipe?

Also I fired it up a few weeks ago and noticed that in
addition to CW, I hear demodulated AM from whichever
broadcaster(s) have the strongest signal. KG8IY
mentioned some mod's to reduce this effect. How are
your 38S's these days doing relative to rejecting BC
signals?

I have the numbers written in my log book, but mine
happens to tune lower than the average reported
earlier with stock components so I am fortunate here.

Thanks for tips - its about time I got the soldering
iron out again!

Curt WB8YYY

Date: Wed, 19 Jan 2000 14:34:49 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [60793] Ferrite Cores
Message-ID: <0974781F4FC8D211A24600902727E80624E516@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

To all,

I live close to a company that manufactures ferrite cores. I shall stop by
and pick up a catalog and let you know how to get them direct. Give me a
few days.

Hal - WB9VMY

Date: Wed, 19 Jan 2000 12:37:29 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [60794] A new QRP'er is born
Message-ID: <20000119203729.2587.qmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Wednesday at 04:26Z on 1.805.10 KC4ZPB was CQ'ing, and
I gave him a call with 200mW.

Rusty answered me, and gave me a 559. He turned out to
be just over the state line near Memphis, TN.

Oh well, not to worry, we had a fun chat and I told
him my power, & he said he was 100w to a low antenna.

He said he might like to try QRP someday when he had a
better antenna.

It was late & I was just about to wrap up the QSO
before he said that. But I had to challange him on
that point!

I came right back and asked him if he could drop his
power to 5w. On his next turn I could hear him turning
down the power. He asked if could still hear him, and
I gave him a 539. We chatted a bit at that power, and
then on his own he went down to 200mW and I gave him a
339. He made it to 100mW and I gave him a 229.

My turn, and I went down to 70mW and got a 439.

He was excited! And I had this big grin from ear to
ear. Next he mentions wondering if we made a new QRP
record for 160M.

I tried to grin even biger. This morning there was a
email from Rusty, he found my webpage/email address on
Ham Call.

The QSO must have lasted 40 min, and it didnt get
started untill we were almost ready to say 73's.

I'm pretty sure a new QRP'er has been born.

72/71's de Jim KJ5TF

=====
Ham radio/alt energy - http://www.madisoncounty.net/~kj5tf/
Milliwatting Editor ARCI QRP Quarterly
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Date: Wed, 19 Jan 2000 14:42:01 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <K5KW@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60795] Re: Ft. Tuthill???

Message-ID: <008201bf62bd$a409a620$3b9b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Flagstaff, AZ -----One of the Greats!!
73 de w5jay..
-----Original Message-----
From: K5KW@aol.com <K5KW@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, January 19, 2000 2:10 PM
Subject: Ft. Tuthill???

>Soneone...
>
>Where in the cat-hair is Ft. Tuthill? Been hearing about it since I've
been
>perusing this list, but don't have a clue as to its location.
>
>Don, K5KW
>
>"From Meadowlark Aerodrome on the rippling shores of Lake Eva, in the heart
>of the Morris-Boynton metroplex of east central Oklahoma, where every day
is
>a sunny day".
>

Date: Wed, 19 Jan 2000 13:48:11 -0700
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [60796] Ft. Tuthill, AZ Hamfest
Message-ID: <20000119.134843.-852073.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

For planning purposes, the dates for the Ft. Tuthill Hamfest are July 28,
29, 30, 2000

http://www.phx-az.com/arca/images/thilly2k.jpg

Periodically check Uncle Bob's url

http://www.extremezone.com/~ki7mn/

for updates.

72...Jay, WA5WHN {Ready for FYBO 2k}
DM65qd Albuquerque, NM USA

Date: Wed, 19 Jan 2000 15:55:35 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [60797] PROP: 160M (AGAIN)
Message-ID: <e8.8d3f2a.25b77ec7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Since there were no responses addressing 160M propagation predictions for a daily basis other than see CQ magazine, I figure I must have asked it wrong. If you look at the typical charts in CQ or QST you will see most charts have their MUF or LUF lines bottoming out on about 4MHz. So where do you get info for time of day cycles for 160M?? Is this non sun spot dependant? Is there a good resource other than LOW BAND DXING that addresses this question of 160M propagation? Tnx Alan KB7MBI

Date: Wed, 19 Jan 2000 13:57:16 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Dick Carroll <dixie@townsqr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60798] Re: Scanning articles and posting to WWW might bring trouble
Message-ID: <Pine.BSI.3.96.1000119135658.27397A-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

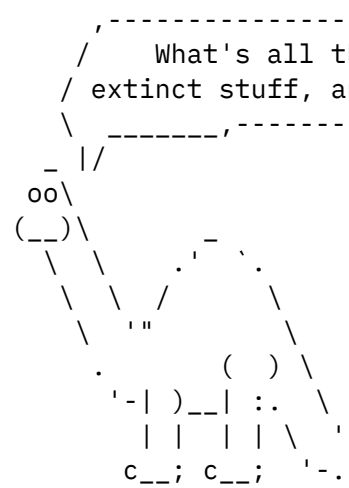
Aha, that helps clear things up a bit more.

Chris

On Wed, 19 Jan 2000, Dick Carroll wrote:

> According to an r.r.a.p posting by Jon Bloom of ARRL HQ,
> the ARRL did NOT buy the Ham Radio magazine archives, but
> only bought Communicatios Quarterly Magazine.
>
> 73, Dick W0EX
>
> Chris Trask wrote:
> >
> > On Wed, 19 Jan 2000, Bradfield, Brad V. wrote:
> >
> > >
> > > Guys - -
> > >
> > > I'm not a lawyer, but my understanding is that copyright never expires.
> > > It's not strictly a license like a trademark. The CQ Magazine publisher
> > > bought out Ham Radio to ease their competition, so they'd be the ones to
> > > talk to about permission to post the article in question on the internet.
> > > I don't believe they're republishing any of the old Ham Radio material,
> > > so they might be willing to allow someone to post it.
> > >
> >
> >   Actually, the ARRL now owns all of that, or so it would seem since
> > they just bought out Communications Quarterly. I guess they intend to
> > merge the CommQuart material with QEX.
> >
> >   Also, copyrights do not necessarily last forever, but they can be
> > renewed, unlike patents.
> >
> > Chris
> >
> >   ,----------------------.   High Performance Mixers and
> >   /   What's all this   \   Amplifiers for RF Communications
> >   / extinct stuff, anyhow? /
> >   \ _______,--------------'   Chris Trask / N7ZWY
> >   _ |/   Principal Engineer
> > oo\   Sonoran Radio Research
> > (__)\   _   P.O. Box 25240
> >   \ \   .' `.   Tempe, Arizona 85285-5240
> >   \ \ /   \
> >   \ '"   \   Technical Editor,
> >   .   ( ) \   QRP Quarterly
> >   '-|)__| :. \   QRP ARCI 9464
> > | | | | \ '.
> >   c__; c__; '-..'>.__   Email: ctrask@primenet.com
> >   http://www.primenet.com/~ctrask

> >
> >   Graphics by Loek Frederiks
>



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Wed, 19 Jan 2000 13:04:13 -0800
From: Bill Jones <kd7s@psnw.com>
To: gdslagel@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60799] Re: HB: ARS film canister ant tuner
Message-ID: <388626CD.B33A9514@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary and friends,

The little "Film Can Transmatch" in this months ARS Sojourner consists of nothing more than a parallel tuned circuit with component values adjusted to resonate at the desired frequency. Formulas for calculating resonant frequencies are available in any ARRL Handbook as well as almost any electronics textbook.

I wrote a little routine using a computerized spreadsheet to do the calculations for me. If there is enough interest I will clean it up and

send it (as an e-mail attachment) to anybody who may be interested. But please don't send me e-mail right now saying, "me too" or whatever. I will post the availability here on qrp-l when it's ready. Give me a couple days.

Gary Slagel wrote:
>
> I saw the film cannister tuner on the ARS page this
> month and plan to build the little tuner they describe
> for 20 meters.
>
> I'm betting that after I get it built I'll want to
> build one for several other bands (40,30,15,17). Can
> anyone help me out with what adjustments I need to
> make to the coil and the capacitor to build it for the
> other bands? OR... can anyone point me at some
> literature that discusses this circuit so I might be
> able to figure it out for myself?
=-=-=-=-=-=-=-=-=-=-=-=-=
Bill Jones - KD7S <><
Sanger, California
http://www.psnw.com/~kd7s
=-=-=-=-=-=-=-=-=-=-=-=-=

Date: Wed, 19 Jan 2000 14:09:51 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>, elecraft@qth.net
Subject: [60800] K2 Pictures
Message-ID: <3886281F.E84C88DD@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang,

    I just put some pictures on my web site of my Elecraft K2. You also get to see my Z-Match and Norcal paddle as a bonus.   I realize everyone has seen a K2 but it just like baby pictures - you just have to show them off!

Look under:

    http://www.swlink.net/~w5jh/   follow the links "Building Projects" and then "Elecraft K2 Station"

   --or--   go directly to the page:

http://www.swlink.net/~w5jh/k2.htm

Happy Viewing.
--
73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page http://www.swlink.net/~w5jh/

Date: Wed, 19 Jan 2000 15:12:37 -0600
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [60801] 100 mW 160 meter QRP
Message-ID: <0974781F4FC8D211A24600902727E80624E517@saturn.rose.cc.ok.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Can anyone figure this one out for me. On UTC date and time: 05:43, 19 Jan. Made contact with W0RSP on 1.811 Mhz. He had just finnished signing his call. I gave him a long call and after a few QRZ's on his part, he finally heard enough of my call to figure out who it was. After a few minutes my signal was up to a 449. I was running 100 mW through 150 feet of RG-8 to a full size dipole at 30 feet. SWR was 8 to 1 into a malfunctioning balun.

Since I am new to this QRP stuff, would this constitute any kind of record and would the power at the antenna be much less than 100 mW?

Later, about 11:53 UTC I was calling CQ and W0AOA in Geln Haven, CO gave me a call with a report of 579. My operating situation was still the same.

Hal - WB9VMY

P.S. We send numbered certificates for working the TOWER station at the Thousand Oaks Wildlife and Environmental Refuge.

Date: Wed, 19 Jan 2000 16:47:10 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <BBradfield@spectrapoint.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60802] Re: Scanning articles and posting to WWW might bring trouble
Message-ID: <007a01bf62c6$cef56aa0$9001a8c0@wn.net>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I'm not a lawyer, but I play one when I'm stopped...

Anyway, my understanding is that Copyrights DO expire. But it's a
pretty long time. And there is a provision for renewal of them. I
don't
know what the time periods are, but I seem to recall from somewhere
that one of the periods is 50 years.

Someone told me that's why in the last few years all these 'old'
cartoons
from the serial saturdays in the theather are suddenly making it to
videotape at a cheap price. No copyrights any more.

Mike

> Guys - -
>
> I'm not a lawyer, but my understanding is that copyright never
expires.
> It's not strictly a license like a trademark. The CQ Magazine
publisher
> bought out Ham Radio to ease their competition, so they'd be the ones
to
> talk to about permission to post the article in question on the
internet. I
> don't believe they're republishing any of the old Ham Radio material,
so
> they might be willing to allow someone to post it.
>
> 72's es 73's,
>
> Brad, W5CGH
>
> ==
>
> Brad Bradfield, PE   W5CGH   Test Staff Engineer
> (ex WB CGH)   SpectraPoint Wireless LLC
>
> Real men talk with their fingers!
>
> NORTEX   NORCAL   QRP-L #377
> SMIRK #4906   QRP-ARCI #   ARS   #72
> Austin QRP Club #i   Alaska QRP Club #350

>
>
>

Date: Wed, 19 Jan 2000 17:15:35 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60803] Re:ZM-2 LED's and match indicating.
Message-ID: <005101bf62cb$7fdc7260$96b17ed8@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,
I'd like to chime in on this discussion a bit if I may.
The only reason that one would not read an SWR of 1:1 on 2 different meters at the same time is that the 2 meters are balanced differently. I have several good reflected power meters, and they are all different - not much, but different just the same. If you balanced your bridges with the same dummy load on each of them - they should all read for a minimum SWR at the same time.

Now, having said that, since most of us are using these meters at QRP levels, we will likely notice more of a difference in their readings than the QPO folks. This is caused by sllight differences in the diode characteristics used in the detectors. The WM-2 and the original designer (Wes Hayward if my memory serves me correctly) took steps to provide diode compensation for use at QRP levels, so I trust this one at QRP levels more than other implementations. And from what I can discover, there are real differences in the response of some diodes with frequency too, so the answer is not a simple one.

I will not get into the pros & cons of matching the line to the output impedance of the transmitter - other than to say that most transmitters should be designed to deliver maximum power into a 50 ohm resistive load, so if you have a meter that indicates an SWR of 1:1 when it is feeding a really, truely 50 ohm resistive load - then believe that one over any others that you may have, and use it as your "standard" The others will likely be close enough, just not 'right on the money'

73,
Don Wilhelm -Chapel Hill, NC
 W3FPR   QRP-L # 485   K2 SN 0020

Date: Wed, 19 Jan 2000 10:58:54 -0800
From: Dan Presley <talljazz@teleport.com>
To: "George T. Baker" <w5yr@worldnet.att.net>
Cc: qrp-l@LeHigh.edu
Subject: [60804] Re: Fox 1/21 UTC (Swap w/K8CV)
Message-ID: <v0300780bb4abb7d37e30@[216.26.9.163]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Not gonna send your name, Dan?   ;^)
>
>72/73, George
>Fairview, TX   30 mi NE Dallas in Collin county
>Amateur Radio W5YR, in the 54th year and it just keeps getting better!
>R/C since 1964 - AMA 98452   RVing since 1972
>
>
>Dan Presley wrote:
>
> My exchange will be (your call), RST,OR,(NR) 502, (your call) BK.

Oops!!Thanks George for catching this one--So, the correct exchange will
be (your call), RST, OR, Dan,(NR) 502,(your call),BK.

I may try some of my exchanges at a 'brisk pace'-the CMOS keyer allows you
to 'embed' a speed command, so I may use that on some of you guys that can
handle it. Don't worry-I have the exchange set up at 2 different speeds, so
if conditions or other factors come into play, I won't force it. Just want
to work lots of you, and try out my new toy :)

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Wed, 19 Jan 2000 14:30:25 -0800
From: neil <neil@aade.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60805] Re: Scanning articles and posting to WWW might bring trouble (the
 straight poop)

Message-ID: <38863B01.785748BC@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

http://www.unc.edu/~unclng/public-d.htm
Depending on when published. Ham radio magazine I think falls under the
95 year protection.
--
Neil
http://www.aade.com
mailto:neil@aade.com
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Wed, 19 Jan 2000 17:52:48 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <ags@ieee.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60806] Re: Tuner ZM-2.
Message-ID: <008801bf62cf$f8747fc0$96b17ed8@dbw-11-main>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Neglecting attenuation, the pattern of variation will repeat for
>every line segment length equal to a wavelength. Theoretically, at
>points of maximum current along the line, there appears to be a perfect
>match between a 50 ohm source and a 50 ohm line when, in fact, we know
>that standing waves still exist.

Folks,
IMHO (or maybe not so humble), the statement above seems to be the source of
a lot of confusion about SWR. It is very close to a true statement, but
there is one falicy - the SWR on the is determined by the LOAD and not by
the source. The load we are usually interested in is the antenna impedance,
and we have a (hopefully) 50 ohm transmitter that we use as the source (or
the generator), and we usually use 50 ohm coax..

Let's look at it this way - the characteristic impedance of the line is what
it is - that is determined by the line manufacturer. If you use any length

of line and feed it into a resistive load equal to its characteristic impedance, the SWR will be 1:1 (reflected power, or current, or voltage will be zero).

Now what does a tuner do? It can be looked at as an electrically variable length of transmission line. So let's look at the tuner as the load for the piece of coax that comes from the transmitter. We adjust the controls on the tuner so that the input of the tuner is 50 ohms resistive, and both that coax and the transmitter are happy = SWR is 1:1 and reflected power in that part of the setup is zero. That says nothing about the SWR and the conditions that are present between the tuner and the antenna. Hopefully we have used a transmission line that will handle whatever SWR may occur there.

I could go on, since this is one of my 'hot' buttons - there seems to be a lot of confusion in the amateur ranks about this subject - I hope I have not created more.

73,
Don Wilhelm -Chapel Hill, NC
 W3FPR   QRP-L # 485   K2 SN 0020

If the load is anything other than that, standing waves will exist, and at every electrical half wavelength along the line, the impedance will be equal to the load.

Date: Wed, 19 Jan 2000 17:57:42 -0500
From: Gregory Lawrence <gwl1@cornell.edu>
To: qrp-l@Lehigh.EDU
Subject: [60807] A follow-up post on article copyright
Message-ID: <4.1.20000119164649.00b68310@postoffice.mail.cornell.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello All:

Some members on the QRP-L list asked me about the time limit on copyright and the thread of messages on this issue suggest this is a grey area for many of us. I asked the preservation and interlibrary loan supervisors in my library for their input. Our library does a fair amount of digital reformatting of endangered agricultural literature (ie unique books or magazines that are falling apart.) Copyright law undergoes periodic revision, and there different copyright regulations based on authorship, format, date of publication, and so on. Since copyright law is complex, and most librarians are not lawyers, we established some basic, common sense copyright filters to guide us. Our rough first cut is: magazine articles

published prior to 1940 and books published prior to 1923 seem to have few obstacles to copyright. Another rule of thumb is after 1950 most items published have some form of iron-clad copyright. In between these extremes, we tread lightly. We have uncovered so many exceptions to our general guidelines, when we get down to a final project list we systematically clarify the copyright status for each item.

My second 2 cents for the day: scanned articles from Ham Radio and other ceased journal published after 1950 most likely have very strong copyright protection. I think the same observation would apply to the Heath manuals and the like that are popping up on the Web.

I hope I haven't further obscured an already hazy subject. Now what to do with this file.....

73,

gregL W2JWM

Gregory Lawrence 607.255.3242
Government Information Librarian 607.255.0318 (fax)
Albert R. Mann Library GWL1@cornell.edu
Cornell University
Ithaca, NY 14853

In our libraries democracy is being reborn.

Date: Wed, 19 Jan 2000 15:12:20 -0800 (PST)
From: Jim Hale <kj5tf@yahoo.com>
To: w6toy@erols.com, QRP-L <qrp-l@Lehigh.EDU>
Subject: [60808] Re: A new QRP'er is born
Message-ID: <20000119231220.1571.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Thats a good idea... or maybe a 1000 Miles Per Watt
Club certificate instead? hmmmmmm

His 100mW at 200 miles, makes him qualified.

Thanks for the brain spark Bruce. Jim

--- Bruce Muscolino <w6toy@erols.com> wrote:
> Jim,
> >
> > The QSO must have lasted 40 min, and it didnt get
> > started untill we were almost ready to say 73's.
> >
> Apply for a Rag Chewers Certificate for him and you
> (if you don't ahve
> one).
>
> 73
>

=====
Ham radio/alt energy - http://www.madisoncounty.net/~kj5tf/
Milliwatting Editor ARCI QRP Quarterly
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net
____
Do You Yahoo!?
Talk to your friends online with Yahoo! Messenger.
http://im.yahoo.com

Date: Wed, 19 Jan 2000 16:12:57 -0700
From: Bob Nielsen <nielsen@primenet.com>
To: "Robert P. Okas" <vintage@best.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60809] Re: Ft. Tuthill Dates?
Message-ID: <20000119161257.C7856@bob.localnet>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

July 28-30, 2000. See http://www.hamsrus.com/tuthill.html for more
information.

On Wed, Jan 19, 2000 at 11:57:16AM -0800, Robert P. Okas wrote:
> Hi Gang,
>
>   Sorry to interrupt the copyright angst in progress, but I'm making
> vacation plans for the year and would like to know what the dates are for
> this year's Ft. Tuthill fest. Can anyone provide this plus camping info?

--
Bob Nielsen, N7XY (ex-W6SWE) (RN2)   nielsen@primenet.com
Tucson, AZ DM42nh QRP-L #1985   http://www.primenet.com/~nielsen

---

Date: Wed, 19 Jan 2000 15:13:48 -0800
From: "Tom Scott" <tscott@eni.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Subject: [60810] Letter to the FCC, not I believe O.T....
Message-ID: <000001bf62d2$d9ae5b80$68100f0a@wyle.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe this is not O.T. in as much as it does relate to QRP and the value of QRP radios to bringing young people into Amateur Radio and electronics.

Below is the text of a letter that I have sent to each of the FCC Commissioners regarding the recent licensing changes. I believe that QRP and QRP kit radios have a very large role to play in bringing young people into Amateur Radio. But the new restructuring, while probably making it easier to get into the more advanced license classes, has in fact made it more difficult for a young person to get into CW on HF.

I suspect that - despite the many differences of opinion that may exist over the restructuring - the vast majority of us feel like this facet of the restructuring is unfortunate. If you feel similarly, I would encourage you to sent your comments to the FCC.

Thanks and 72

My Comments to the FCC:
I have a comment about what I believe may have been an un-intended consequence of the recent Amateur Radio License restructuring.

First let me say that in general I think the changes are warranted and may bring in many new radio amateurs especially like myself those from the ranks of working electronics engineers for whom Morse Code was an impediment. The only concern I have about the change is the new impediment it creates for entry level people, especially young people.

I am going to be teaching a high school level Amateur Radio and QRP class next year at a local small Christian high school where my son attends. We expect to have about 12 students who will learn about amateur radio, study morse code, and build a low power HF CW transceiver and get on the air. The final exam for the course will consist of passing the FCC license exam, successfully building the single board transceiver kit, and have a QSO with me on the air. Unfortunately -- as I understand the new licensing

structure -- this will now require TWO written tests as well as the 5 wpm CW test to be able to use CW on HF (probably 40m). Under the old system the Novice class license was an ideal entry level for young people wanting to get started in Amateur Radio, consisting of a simpler written test and 5wpm and earning them limited access to HF. Novice was a perfect way to get started. We could start with the Technician license now, but the written test has traditionally been more challenging, and the higher frequency of VHF / UHF radios, as well as the complexity of FM (the dominant mode) makes them more challenging to build than a kit for an HF CW QRP radio. I can provide an entire Amateur Radio class with the HF kit for about a $30 to $50 lab fee. I'm sure you will agree that getting a dozen new young people into amateur radio would be a good thing, but I'm very concerned that the new licensing structure will make that much more difficult.

As a suggestion, Perhaps you could modify it just slightly to allow the technician license access to the old Novice bands of HF if they pass the 5 wpm test, without really creating another class of license. In other words, the Technician Class License would have only VHF and UHF privileges unless the holder also passed the 5wpm CW test, in which case they would gain access to what used to be known as the Novice HF bands for CW.

Thank you very much for your consideration. I realize you are probably inundated with all manner of feedback on the recent changes, some of it probably quite irate, so I understand that it is asking a lot to request a response to this letter, but I would be extremely interested in your feedback to this issue. I don't think anyone wants to inhibit the entrance of young people into the ranks of Amateur Radio, but the new changes will I'm afraid have that unintended consequence.

Respectfully,

Tom Scott, KD7DMH
- Tom
_/
?Tom Scott - Wyle Electronics - KD7DMH
10300 SW Nimbus Ave #PB, Portland, OR 97223
503-603-1931 - Tel 503-684-6620 - Fax
503-703-2032 - Cell
_/

Date: Wed, 19 Jan 2000 18:18:40 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "NA6E" <mcherry@calweb.com>, "W.D.(Doc)Lindsey/K0EVZ"

<70511.3041@compuserve.com>
Subject: [60811] Club News for Upcoming QQ
Message-ID: <200001191820_MC2-9572-7639@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
      charset=us-ascii
Content-Disposition: inline

Gang:

Can you believe it?--it is ALREADY time to get articles written for the April QQ. Hard to believe how fast deadlines come up in the writing and publishing business :-).

I serve as editor of the Clubhouse Column for the QQ. As such, my deadline for the next edition is 15 Feb 2000. This is the date I have to have my draft article to Mary NA6E, the QQ Editor.

Anyway....now is the time for every QRP club anywhere in the world to send me news about *your club's* activities, highlights, projects you are involved with--whatever you want to share with other clubs and QRPers. I am very interested in whatever you would care to send, and will do my best to include all of it. There are clubs all over the USA and other parts of the world. No matter where you are, please send me info about your club.

If you have good quality photos, please also send them. Photos make an article and column really come alive. Thanks for these, along with your written report.

This is your chance to get mention of your club, so please send something right away. You can e-mail files as attachments, also.

Thanks in advance, and I look forward to hearing from you soon.

72,
--Doc Lindsey/K0EVZ
   DSBF
   PO BOX 6028
   Bismarck, ND 58506
   K0EVZ@arrl.net

Date: Wed, 19 Jan 2000 15:52:44 -0800
From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [60812] Help Received

Message-ID: <38864E4C.9D76B88F@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you all that have responded to my plea for help regarding the broken toroid. I learned that I can glue it back together. Providing I can locate all the pieces. 8)

I have located a source for a replacement.

Great group you guys are.

73,

de Casey
AD6DI

Date: Wed, 19 Jan 2000 18:40:57 -0500
From: "K3GM" <k3gm@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [60813] Re: AD8361 - followup
Message-ID: <011401bf62d6$a2a1cf60$246e0c18@adubn1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Right after my post to Jim WD9EYB, and the rest of the group, I received my sample and "cookbook" for the AD8631 Tru Power Detection IC. I work in the printed circuit design/fabrication industry and have worked with surface mount technology for years, but this part is SMALL! I'm not sure that this part can be "hot wired" with flying leads as the legs are just too small. How ironic, we pushed for years to miniature-ize, and now it's too small! It ain't over yet though, so I'll keep the group posted.

7 3,
Tom K3GM
http://members.home.com/biskit218/thomas_j.htm

End of QRP-L Digest 1705
****
